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UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

GIFFORD PINCHOT, Forester

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# January Field Program 1910

This program of field work and assignments in the Forest Service is issued on the first day of each month and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.



# FIELD PROGRAM FOR JANUARY, 1910

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## OFFICE OF THE FORESTER

GIFFORD PINCHOT, Forester.

OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

P. P. WELLS, Law Officer.

A. C. SHAW, Assistant Law Officer.

HERBERT A. SMITH, Editor.

FINDLEY BURNS, in charge of Publication.

RAYMOND W. PULLMAN, in charge of Information.

GEORGE B. SUDWORTH, Dendrologist.

R. S. KELLOGG, Assistant Forester, engaged upon Forest Statistics.

EUGENE S. BRUCE, Expert Lumberman.

D. D. BRONSON, General Inspector.

E. M. GRIFFITH, Special Inspector, Madison, Wis.

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## OPERATION

JAMES B. ADAMS, Assistant Forester, in Charge.

GEORGE G. ANDERSON, Assistant in Office Methods.

## ACCOUNTS

H. B. CRAMER, Fiscal Agent.

E. A. MELZAR, District Fiscal Agent.

## GEOGRAPHY

FRED G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.

Drafting, C. A. KOLB.

Alienation, J. B. SATTERLEE.

Photography, A. G. VARELA.

## MAINTENANCE

GEORGE A. BENTLEY, Chief.

## SILVICULTURE

WILLIAM T. COX, Assistant Forester, in Charge.  
E. E. CARTER, Assistant Forester.

## STATE AND PRIVATE COOPERATION

J. G. PETERS, Chief.

## PROJECTS

**Alabama**—

Preparation of a working-plan report for the Tennessee Coal, Iron and Railroad Company—E. D. CLARK, Washington, D. C.

**Eastern States**—

Preliminary examinations of forest land, in cooperation with private owners—J. H. FOSTER, A. W. WILLIAMSON, W. B. WILLEY, G. T. BACKUS, and W. H. VON BAYER, Washington D. C.

**Florida**—

Eucalyptus study—J. M. BRISCOE, Gainesville.

**Illinois**—

Study of forest conditions, in cooperation with the State Laboratory of Natural History—R. C. HALL and O. D. INGALL, Urbana.

**Louisiana**—

Preliminary examination of forest conditions, in cooperation with the State—W. M. MOORE, Baton Rouge.

**Mississippi**—

Preparation of a report on forest conditions, in cooperation with the State—C. E. DUNSTON, Washington, D. C.

**North Carolina**—

Preparation of a report on forest conditions, in cooperation with North Carolina Geological and Economic Survey—J. S. HOLMES, Chapel Hill.

**Virginia**—

Preliminary examination of forest conditions, in cooperation with the State, and examination of forest land, in cooperation with private owners—W. W. ASHE, Richmond.

## SILVICS

RAPHAEL ZON, Chief.

## PROJECTS

**General**—

Basket willow study and seed testing and seed storage—N. H. GRUBB, Washington, D. C.

**Northeastern States**—

Study of northern hardwoods—E. H. FROTHINGHAM, Washington, D. C.

Forest Measurements, W. B. BARROWS.

Compilation, Miss M. C. GANNETT.

Library, Miss H. E. STOCKBRIDGE.

## GRAZING

**A. F. POTTER**, Assistant Forester, in Charge.

**L. F. KNEIPP**, Assistant Forester.

**WILL C. BARNES**, Inspector of Grazing (in the Field).

### PROJECTS

Forage investigations; compilation of data—**F. V. COVILLE**, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; preparation of report on experimental pasture project, **JAMES T. JARDINE**, Deputy Forest Supervisor, Washington, D. C.; preparation of report on forage plant investigations, **ARTHUR T. SAMPSON**, Plant Ecologist, Washington, D. C. (detailed to Bureau of Plant Industry under instructions of **F. V. COVILLE**, Botanist).

Identification of grasses and plants—**Dr. EDWARD L. GREENE**, Consulting Expert, Washington, D. C.

## PRODUCTS

**WM. L. HALL**, Assistant Forester, in Charge.

Accounts, **W. R. FUCHS**, District Fiscal Agent, Madison, Wis.

## LABORATORY

In cooperation with the University of Wisconsin.

**McGARVEY CLINE**, Director, Madison, Wis.

## WOOD PRESERVATION

**HOWARD F. WEISS**, in Charge, Madison, Wis.

**EDWARD H. FORD**, Assistant, Madison, Wis.

### Projects

Construction and experimental operation of a wood-preserving plant, in cooperation with the Alabama Wood Preserving Company—**C. P. WINSLOW**; assistant, **E. W. PETERS**, Birmingham, Ala.

Installation and operation of an experimental tie-treating plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—**C. P. WINSLOW**; assistant, **E. W. PETERS**, Birmingham, Ala.

Design and construction of apparatus for the prevention of sap stain and for a wood-preserving plant, in cooperation with the Great Southern Lumber Company—**C. T. BARNUM**, Madison, Wis.

Preparation of treating-plant reports—**C. H. TEESDALE**, Madison, Wis.

Installation of wood-preserving apparatus, Forest Products Laboratory—**F. M. BOND**, Madison, Wis.

**TIMBER TESTS**

ROLF THELEN, in Charge, Madison, Wis.

**Projects**

Timber-testing laboratory, ROLF THELEN, in charge, Madison, Wis.:

Purchase and installation of machinery and equipment;

Design of wood-working shop and purchase of equipment;

Design of machine shop and purchase of equipment.

Correlation of file system and analysis of timber-test data—H. E. MCKENZIE and J. O. BIXBY.

Dismantling of timber-testing laboratory at Purdue University and shipping of equipment to Madison, Wis.—J. A. NEWLIN, THOMAS LYONS, and HARRY WEYLS, Lafayette Ind.

**WOOD CHEMISTRY**

H. S. BRISTOL, in Charge, Madison, Wis.

H. E. SURFACE, Assistant, Madison, Wis.

**Projects**

Experiments with various woods for paper pulp—E. SUTERMEISTER, at Madison, Wis.

The refining and grading of wood turpentine and the methods of turpentine analysis—L. F. HAWLEY and E. BATEMAN, both at Madison, Wis.

Installation of wood-pulp laboratory—H. E. SURFACE.

**WOOD TECHNOLOGY**

H. D. TIEMANN, in Charge, Washington, D. C.

**Projects**

Devisal of methods and design of apparatus for drying and humidifying wood—H. D. TIEMANN.

Micrological studies of American woods—C. D. MELL and W. D. BRUSH.

Making micro-photographs of wood sections—H. D. TIEMANN and C. D. MELL.

Determination of the effect of different processes of drying upon the properties of wood—H. D. TIEMANN.

**MAINTENANCE**

W. H. KEMPFER, in Charge, Madison, Wis.

Stenography, Mrs. NINA OWEN.

Computing, Mrs. CARRIE N. MILLER.

Files and Library, Miss ELLA O. LATHAM.

## WOOD UTILIZATION

H. S. SACKETT, in Charge, Fisher Building, Chieago, Ill.

## PROJECTS

## Markets—

Preparation of a market report for Chieago, Ill.—FRANKLIN H. SMITH, Fisher Building, Chieago, Ill.

## Prices—

Collection of wholesale lumber pries in the markets and f. o. b. mill pries—FRANKLIN H. SMITH, Fisher Building, Chieago, Ill.

## Wood Uses—

Study of the wood-using industries of Illinois—FRANKLIN H. SMITH, Fisher Building, Chieago, Ill.

Study of the wood-using industries of Wisconsin, in eooperation with the State Board of Forestry—FRANKLIN H. SMITH, Fisher Building, Chieago, Ill.

Study of the wood-using industries of Kentucky, in cooperation with the State Board of Agrieulture, Forestry, and Immigration—R. E. SIMMONS, Fisher Building, Chieago, Ill.

Study of the wood-using industries of North Carolina, in eooperation with the North Carolina Geologieal and Economie Survey—R. E. SIMMONS, Fisher Building, Chieago, Ill.

Study of the wood-using industries of Maryland, in cooperation with the State Board of Forestry—HU MAXWELL, Washington, D. C.

Study of the wood-using industries of Massaehusetts, in eooperation with F. W. RANE, State Forester, State House, Boston, Mass.—HU MAXWELL, Washington, D. C.

Preparation of reports upon the uses of the principal eommereial woods—HU MAXWELL, Washington, D. C.; W. L. HALL, Washington, D. C.

Study of woods whieh may be used as substitutes for the southern junipers in the manufaeture of lead peneils—H. S. SACKETT, Fisher Building, Chieago, Ill.

## Waste—

Study of the waste incident to the manufaeture of even lengths of flooring, ceiling, siding, and finish in the white pine, yellow pine, and hardwood regions—CHAS. F. HATCH, Fisher Building, Chieago, Ill.

# DISTRICTS

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## DISTRICT 1

Montana, northeastern Washington, northern Idaho, northwestern South Dakota, northern Michigan, northern Minnesota, and southwestern North Dakota..

Office, Hammond Block, Missoula, Mont.

**W. B. GREELEY**, District Forester.

**F. A. SILCOX**, Assistant District Forester.

**W. M. AIKEN**, District Law Officer.

**E. B. QUIGGLE**, Assistant District Law Officer.

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## OPERATION

**R. H. RUTLEDGE**, Chief.

—, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Accounts, **H. I. LOVING**, District Fiscal Agent.

Maintenance, **R. L. CAMPBELL**.

## SILVICULTURE

**R. Y. STUART**, Chief.

**D. T. MASON**, Assistant Chief.

**Timber Sales**, Chief and Assistant Chief of Silviculture.

## PROJECTS

### **Idaho**—

Check scaling, Pend Oreille National Forest—**G. L. COTT**, Lumberman, Sandpoint.

### **Montana**—

Northern Pacific estimates—**KARL W. WOODWARD**, **N. C. BROWN**, **L. S. MURPHY**, **W. B. PIPER**, **F. A. GAYLORD**, **J. ST. J. BENEDICT**, and **E. D. FLETCHER**, Missoula; Bitterroot National Forest, **M. N. STICKNEY**, Darby.

Examination of timber, Sioux National Forest—**J. S. BAIRD**, Lumberman, Camp Crook, S. Dak.; assistants, **A. A. SAUNDERS**, **J. W. BUTLER**, **J. L. COBBS**, **H. E. FEGLEY**, **R. P. PRITCHARD**, **M. C. CASE**, **V. STARZINGER**, **C. D. KIGER**, **L. C. STOCKDALE**, and **R. W. MCKNIGHT**.

Planting, **E. C. CLIFFORD**.

**G. B. McDONALD**.

**Silvics**, Chief and Assistant Chief of Silviculture.

**PROJECT****Idaho—**

Office work in preparation of yield tables for Coeur d'Alene National Forest—F. I. ROCKWELL, Missoula, Mont.

Cooperation, Bureau of Entomology.

**PROJECT**

Location of insect-infested timber and determination of methods of local control—JOSEF BRUNNER, Field Agent, Bureau of Entomology, Columbia Falls, Mont.

**GRAZING**

C. H. ADAMS, Chief.

W. S. PERRINE, Assistant Chief.

**PRODUCTS****PROJECTS****Wood Preservation—**

Construction and experimental operation of a wood-preserving plant for treating fence posts and other ranch timbers, in cooperation with the Bitter Root Stock Farm—P. R. HICKS, Missoula, Mont.

Construction and experimental operation of a wood-preserving plant for treating ties, mine timbers, and telephone poles, in cooperation with the Anaconda Copper Mining Company—P. R. HICKS, Missoula, Mont.

**NATIONAL FORESTS****IDAHO**

**Beaverhead**—See Montana.

**Clearwater**—F. A. FENN, Forest Supervisor, Kooskia (WU-N); EDW. C. THENON, Deputy Forest Supervisor.

**Cœur d'Alene**—W. G. WEIGLE, Forest Supervisor, Wallace (WU-N); E. R. BRUNKE, Deputy Forest Supervisor.

**Kaniksu**—See Washington.

**Nezperce**—GEO. V. RING, Forest Supervisor, Grangeville (WU-N); J. ARTHUR BROWN, Deputy Forest Supervisor.

**Pend Oreille**—J. E. BARTON, Forest Supervisor, Sandpoint (WU-N, W); EDW. G. STAHL, Deputy Forest Supervisor.

**MICHIGAN**

**Michigan** }—S. M. HIGGINS, Acting Forest Supervisor, Au Sable (WU-Am).  
**Marquette**

**MINNESOTA**

**Minnesota**—G. E. MARSHALL, Forest Supervisor, Cass Lake (WU-GN).

**Superior**—SCOTT LEAVITT, Acting Forest Supervisor, Ely (WU-GN).

## MONTANA

**Absaroka**—V. GIFFORD LANTRY, Forest Supervisor, Livingston (WU-N); J. A. FITZWATER, Deputy Forest Supervisor.

**Beartooth**—J. F. PRESTON, Acting Forest Supervisor, Red Lodge (WU-N).

**Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon (WU-P); R. J. MOORE, Deputy Forest Supervisor.

**Bitterroot**—W. W. WHITE, Forest Supervisor, Missoula (WU-N); C. H. GREGORY, Lumberman.

**Blackfeet**—F. N. HAINES, Forest Supervisor, Kalispell (WU-GN); R. P. McLAUGHLIN, Deputy Forest Supervisor; C. N. WHITNEY, Forest Assistant.

**Cabinet**—RALPH H. BUSHNELL, Forest Supervisor, Thompson Falls (WU-N).

**Custer**—GLEN A. SMITH, Forest Supervisor, Ashland (WU via Forsyth-N via Forsyth).

**Deerlodge**—C. C. HALL, Forest Supervisor, Anaconda (P-N); HARRY C. SCHICK, Deputy Forest Supervisor; F. S. PATTON, Forest Assistant.

**Flathead**—PAGE S. BUNKER, Forest Supervisor, Kalispell (WU-GN); JOHN H. CLACK, Deputy Forest Supervisor.

**Gallatin**—D. T. CONKLING, Forest Supervisor, Bozeman (WU-N).

**Helena**—DWIGHT BUSHNELL, Forest Supervisor, Helena (WU-N); J. D. WARNER, Deputy Forest Supervisor.

**Jefferson**—J. B. SEELY, Forest Supervisor, Great Falls (WU-N); WELLMAN HOLLOWAY, Deputy Forest Supervisor; HENRY H. FARQUHAR, Forest Assistant.

**Kootenai**—DORR SKEELS, Acting Forest Supervisor, Libby (WU-GN); RUTLEDGE PARKER and E. I. TERRY, Forest Assistants.

**Lewis and Clark**—W. H. DAUGS, Forest Supervisor, Chouteau (WU via Collins-GN via Collins).

**Lolo**—ELERS KOCH, Forest Supervisor, Missoula (WU, P-N); THOS. C. SPAULDING, Forest Assistant.

**Madison**—CLIFTON W. HUDSON, Forest Supervisor, Sheridan (WU-N).

**Missoula**—D. G. KINNEY, Forest Supervisor, Missoula (WU, P-N); RUSSELL G. POND, Deputy Forest Supervisor.

**Sioux**—See South Dakota.

## NORTH DAKOTA

**Dakota**—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (WU via Bellefourche-Am via Bellefourche).

## SOUTH DAKOTA

**Sioux**—C. A. BALLINGER, Forest Supervisor, Camp Crook (WU via Bellefourche-Am via Bellefourche).

## WASHINGTON

**Kaniksu**—W. N. MILLAR, Forest Supervisor, Newport (WU-GN); WM. C. LATANE, Forest Assistant.

## DISTRICT 2

Colorado, Wyoming, South Dakota, Nebraska, and western Kansas.

Office, Majestic Building, Denver, Colo.

**SMITH RILEY**, District Forester.

**P. G. REDINGTON**, Assistant District Forester.

JOHN M. CATES, District Law Officer.

J. F. LAWSON, Assistant District Law Officer.

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OPERATION

FRED W. MORRELL, Chief.

C. J. STAHL, Assistant Chief.

NILE HUGHEL, District Engineer.

**Organization**, Chief and Assistant Chief of Operation.

**Accounts**, JOHN A. URBANOWICZ, District Fiscal Agent.

**Maintenance**, F. B. AGEE.

## SILVICULTURE

A. K. CHITTENDEN, Chief.

S. L. MOORE, Assistant Chief.

**Timber Sales**, Chief and Assistant Chief of Silviculture.

## PROJECT

## Wyoming—

Supervision of logging, Big Horn Timber Company sale on the Bighorn National Forest—JOHN E. ELLIOTT, Woodrock.

**Planting**, L. C. MILLER.

**Silvics**, C. G. BATES.

## PROJECTS

## Colorado—

Study of the climatic factors affecting the distribution, growth, and pathological condition of the Rocky Mountain forest trees at the Fremont Experiment Station—C. G. BATES, Denver.

## Nebraska—

Preparation of report on results of planting experiments on the Nebraska National Forest—C. G. Bates, Denver, Colo.

**Wyoming—**

Preparation of preliminary report on lodgepole pine cutting system, with volume tables for Cheyenne National Forest—A. G. HAMEL, Denver, Colo.

Cooperation, Bureau of Entomology.

**PROJECT**

Location of insect-infested timber and determination of methods of local control—W. D. EDMONSTON, detailed from the Forest Service, Colorado Springs, Colo.

**GRAZING**

J. W. NELSON, Chief.

E. N. KAVANAGH, Assistant Chief.

**PRODUCTS**

H. S. BETTS, in Charge.

**PROJECTS****Timber Tests—**

Timber-testing laboratory in cooperation with the University of Colorado, Boulder, Colo.—NORMAN BETTS, in charge; assistants, A. D. WOLFF and H. V. BLANK.

Tests on round timbers of various Rocky Mountain species, including mine timbers, in cooperation with the Northern Coal and Coke Company, Rocky Mountain Fuel Company, and various National Forests.

Tests on western red cedar, lodgepole pine, and Engelmann spruce telephone poles, in cooperation with the South Platte Power Company, Central Colorado Power Company, and the Colorado Telephone Company.

Preparation of reports on results of tests on Douglas fir and yellow pine cross-ties and on round mine timbers.

Preparation of specimens for exhibits of the Denver Chamber of Commerce and the Missoula Chamber of Commerce.

**Wood Preservation—**

Construction and experimental operation of a portable wood preserving plant on the Routt National Forest—H. M. MASON, Jr., Denver, Colo.

Compilation of a final report on the year's work at the Forest Service wood-preserving plant at Norrie, Colo.—D. L. CARMODY, Denver, Colo.

Preliminary investigation for determining the feasibility of preservative treatment for the mine timbers of the Smuggler-Union Mining Company—H. M. MASON, Jr., Denver, Colo.

**NATIONAL FORESTS****COLORADO**

**Arapaho**—C. G. POOLE, Forest Supervisor, Fraser (WU-Ad); LEE E. COOPER, Deputy Forest Supervisor.

**Battlement**—JOHN W. LOWELL, Jr., Acting Forest Supervisor, Collbran (WU-WF, G).

**Cochetopa**—EUGENE WILLIAMS, Forest Supervisor, Saguache (WU-G).  
**Gunnison**—WM. R. KREUTZER, Forest Supervisor, Gunnison (WU-WF, G); E. C. BERKY, Deputy Forest Supervisor; STANLEY B. HALL, Forest Assistant.  
**Hayden**—See Wyoming.  
**Holy Cross**—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs (WU-WF, G); ALBERT H. MILLER, Deputy Forest Supervisor.  
**La Sal**—See Utah, District 4.  
**Las Animas**—C. A. WHITNEY, Acting Forest Supervisor, La Veta (WU-G).  
**Leadville**—THEODORE SHOEMAKER, Acting Forest Supervisor, Leadville (WU, P-WF, G); R. E. CLARK, Deputy Forest Supervisor; J. E. MARTIN, Forest Assistant.  
**Medicine Bow**—H. N. WHEELER, Forest Supervisor, Fort Collins (WU-WF); H. B. HOLROYD, Deputy Forest Supervisor.  
**Montezuma**—RESS PHILLIPS, Forest Supervisor, Mancos (WU-G); FRANK TOMP-KINS, Deputy Forest Supervisor.  
**Pike**—C. M. GRANGER, Acting Forest Supervisor, Denver (WU, P-Ad, G, P, US, WF); W. I. HUTCHINSON, Forest Assistant; Monument Nursery—W. SCHRADER, Forest Planting Assistant; G. W. HENDRY, Forest Assistant, Monument.  
**Rio Grande**—A. L. STROUP, Forest Supervisor, Monte Vista (WU-G); WALTER F. BOWERS, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.  
**Routt**—J. H. RATLIFF, Forest Supervisor, Steamboat Springs (WU-Ad); P. J. PAXTON, Forest Assistant.  
**San Isabel**—J. N. LANGWORTHY, Forest Supervisor, Westcliffe (WU-G); M. B. WILLEY, Deputy Forest Supervisor.  
**San Juan**—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G); A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.  
**Sopris**—JOHN McLAREN, Acting Forest Supervisor, Aspen (WU-WF, G); THOS. C. HATTON, Deputy Forest Supervisor; R. H. THOMPSON, Forest Assistant.  
**Uncompahgre**—HENRY L. SPENCER, Forest Supervisor, Delta (WU-G); HOWARD S. BUSHNELL, Deputy Forest Supervisor; J. H. RAMSKILL, Forest Assistant.  
**White River**—JAMES A. BLAIR, Forest Supervisor, Meeker (WU-WF, G); ELMER E. STEPHENSON, Deputy Forest Supervisor.

#### KANSAS

**Kansas**—B. R. H. d'ALLEMAND, Forest Supervisor, Garden City (WU, P-WF); Garden City Nursery—C. R. TAYLOR, Forest Planting Assistant.

#### NEBRASKA

**Nebraska**—W. H. MAST, Forest Supervisor, Halsey (WU-Ad); H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Nursery—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

#### SOUTH DAKOTA

**Black Hills**—PAUL D. KELLETER, Forest Supervisor, Deadwood (WU-Ad, Am); JOHN MURDOCH, Jr., and G. A. DUTHIE, Forest Assistants.

## WYOMING

**Bighorn**—W. E. JACKSON, Forest Supervisor, Sheridan (WU-Ad); HERBERT GRAFF, Deputy Forest Supervisor.

**Bonneville**—FOSTER STEELE, Acting Forest Supervisor, Pinedale (WU-P); H. EARLE FRENCH, Deputy Forest Supervisor.

**Cheyenne**—P. S. LOVEJOY, Forest Supervisor, Laramie (WU, P-P); JOHN W. STEPHENS, Deputy Forest Supervisor; R. A. STRETCH, Forest Assistant.

**Hayden**—JAMES BLACKHALL, Forest Supervisor, Encampment (WU, P-P); ARTHUR M. COOK, Deputy Forest Supervisor.

**Shoshone**—H. W. THURSTON, Forest Supervisor, Cody (WU-Ad).

**Sundance**—LOUIS KNOWLES, Acting Forest Supervisor, Sundance (WU-Ad, Am).

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## DISTRICT 3

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

**A. C. RINGLAND**, District Forester.

**E. H. CLAPP**, Assistant District Forester.

H. B. JAMISON, District Law Officer.

BLAKE FRANKLIN, Assistant District Law Officer.

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## OPERATION

A. O. WAHA, Chief.

A. S. PECK, Assistant Chief.

**Organization**, Chief and Assistant Chief of Operation.

**Accounts**, J. J. DUFFY, District Fiscal Agent.

**Maintenance**, W. B. BUNTON.

## SILVICULTURE

T. S. WOOLSEY, Jr., Chief.

A. B. RECKNAGEL, Assistant Chief.

**Timber Sales**, Chief and Assistant Chief of Silviculture.

## PROJECTS

### Arizona—

Preparation of working plan report for Coconino National Forest—J. H. ALLISON; Assistants, J. A. BLATHERWICK, G. H. BOHN, T. B. LONGWELL, ROBERT MOAK, P. P. PITCHLYNN, and THOMAS F. WELLS, Flagstaff.

Preparation of working plan reports for Prescott and Sitgreaves National Forests—D. W. ADAMS, Albuquerque, N. Mex.

**New Mexico—**

Check scaling on the Pecos, Jemez, and Carson National Forests—A. A. WYNNE, Lumberman, Santa Fe, N. Mex.

Revision of working plan for Manzano National Forest and collection of data for volume and growth study of woodland species—L. L. JANES, in charge; Assistant, F. R. WIGELY, Albuquerque.

Planting, Chief and Assistant Chief of Silviculture.

Inspection of sowing and planting—R. L. ROGERS, Albuquerque, N. Mex.

Silvics, Coconino Forest Experiment Station—G. A. PEARSON, in charge; Assistants, H. D. BURRALL and C. HELLER, Flagstaff, Ariz.

**GRAZING**

J. K. CAMPBELL, Chief.

JOHN KERR, Assistant Chief.

**NATIONAL FORESTS****ARIZONA**

**Apache**—JOHN D. GUTHRIE, Forest Supervisor, Springerville (WU, P-WF); HARRY C. VILES, Deputy Forest Supervisor; ALDO LEOPOLD, Forest Assistant.

**Chiricahua**—A. H. ZACHAU, Forest Supervisor, Portal (WU, P-WF).

**Coconino**—FRANK C. W. POOLER, Forest Supervisor, Flagstaff (WU, P-WF); WIL-LARD M. DRAKE, Deputy Forest Supervisor; E. H. CRABB, Deputy Forest Supervisor; J. C. KIRCHER, Forest Assistant.

**Coronado**—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); ROBERT L. ROGERS, Deputy Forest Supervisor.

**Crook**—T. T. SWIFT, Forest Supervisor, Safford (WU-WF); H. L. JOHNSON, Forest Assistant.

**Garces**—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); ROBERT L. ROGERS, Deputy Forest Supervisor.

**Prescott**—C. H. HINDERER, Forest Supervisor, Prescott (WU-WF); J. C. McNELTY, Deputy Forest Supervisor.

**Sitgreaves**—A. J. MACKAY, Forest Supervisor, Snowflake (WU, P-WF).

**Tonto**—R. G. WILLSON, Forest Supervisor, Roosevelt (WU-WF); CHAS. H. JENNINGS, Deputy Forest Supervisor.

**Zuni**—See New Mexico.

**ARKANSAS**

**Arkansas**—S. J. RECORD, Forest Supervisor, Mena (WU-WF); S. A. CHAPPELL, Deputy Forest Supervisor.

**Ozark**—FRANCIS KIEFER, Forest Supervisor, Harrison (WU-WF); RALPH C. HUEY, Deputy Forest Supervisor.

**FLORIDA**

**Choctawhatchee** } I. F. ELDREDGE, Acting Forest Supervisor, De Funiak Springs;  
**Ocala** } W. F. HILL, Deputy Forest Supervisor.

## NEW MEXICO

Alamo—ARTHUR M. NEAL, Forest Supervisor, Alamogordo (WU, P-WF).  
 Carson—ROSS McMILLAN, Forest Supervisor, Antonito, Colo. (WU-G); FREDERICK R. STARR, Forest Assistant.  
 Chiricahua—See Arizona.  
 Datil—W. H. GODDARD, Forest Supervisor, Magdalena (WU, P-WF); R. F. BALTHIS, Deputy Forest Supervisor.  
 Gila—DOUGLAS RODMAN, Forest Supervisor, Silver City (WU-WF); DON P. JOHNSTON, Deputy Forest Supervisor; BARRINGTON MOORE, Forest Assistant; Fort Bayard Nursery—H. C. TURNER, Forest Planting Assistant.  
 Jemez—FRANK E. ANDREWS, Forest Supervisor, Santa Fe (WU, P-WF); B. M. THOMAS, Deputy Forest Supervisor; WESLEY BRADFIELD, Forest Assistant.  
 Lincoln—J. A. KINNEY, Forest Supervisor, Capitan (WU, P-WF).  
 Manzano—W. R. MATTOON, Forest Supervisor, Albuquerque (WU, P-WF); JAMES F. MULLEN, Deputy Forest Supervisor.  
 Pecos—THOS. R. STEWART, Forest Supervisor, Santa Fe (WU, P-WF); HUGH G. CALKINS, Deputy Forest Supervisor; WESLEY BRADFIELD, Forest Assistant; Las Gallinas Nursery—A. HEDRICKS, Forest Planting Assistant.  
 Zuni—A. D. READ, Forest Supervisor, Gallup (WU, P-WF); FREDERICK A. WINN, Deputy Forest Supervisor.

## OKLAHOMA

Wichita—FRANK RUSH, Game Warden, in charge, Cache (WU-WF).

## DISTRICT 4

Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

Forest Service Building, Ogden, Utah.

CLYDE LEAVITT, District Forester.

FRANKLIN W. REED, Assistant District Forester.

W. C. HENDERSON, District Law Officer.

T. C. HOYT, Assistant District Law Officer.

## OPERATION

R. P. IMES, Chief.

E. H. CLARKE, Assistant Chief.

A. T. MITCHELSON, District Engineer.

Organization, Chief and Assistant Chief of Operation.

Accounts, Q. R. CRAFT, District Fiscal Agent.

Maintenance, FELIX T. MOORE.

## SILVICULTURE

L. L. WHITE, Chief.

O. M. BUTLER, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

## PROJECTS

## Idaho—

Inspection of timber sales on Salmon National Forest—D. F. SEEREY, Lumberman.

Reconnaissance of timber on Sawtooth National Forest—C. P. WILBER, Hailey.

Check scaling, Salmon National Forest—JOHN K. KIDD, Scaler, Salmon.

Reconnaissance for Minidoka National Forest—NILS B. ECKBO, Oakley.

Reconnaissance for Pocatello National Forest—A. L. BROWER, Pocatello.

## Utah—

Preparation of reconnaissance report and map for Manti National Forest—LINCOLN CROWELL and D. M. LANG, Ogden.

Planting, J. M. FETHEROLF.

Silvics, E. R. HODSON.

## GRAZING

HOMER E. FENN, Chief.

A. C. MCCAIN, Assistant Chief.

G. G. BENTZ, Assistant Chief.

## SUPPLY DEPOT

A. M. SMITH, Property Clerk.

## PROPERTY AUDIT

J. G. FALCK, Property Auditor.

## NATIONAL FORESTS

## ARIZONA

Dixie—See Utah.

Kaibab—JOHN H. CLARK, Forest Supervisor, Kanab, Utah (WU-WF); DANIEL K. JUDD, Deputy Forest Supervisor.

## IDAHO

Boise—E. GRANDJEAN, Forest Supervisor, Boise (WU-I'); D. C. A. GALARNEAU, Forest Assistant.

Cache—See Utah.

Caribou—N. E. SNELL, Forest Supervisor, Idaho Falls (WU-P); L. J. PHELAN, Deputy Forest Supervisor; JAMES H. JOHNSON, Grazing Assistant.

Challis—DAVID LAING, Forest Supervisor, Challis (WU-P); JOHN A. PEARSON, Deputy Forest Supervisor.

**Idaho**—HENRY A. BERGH, Forest Supervisor, McCall (WU-P).

**Lemhi**—C. I. HUDDLE, Forest Supervisor, Mackay (WU-P); JAMES L. PELTON, Deputy Forest Supervisor.

**Minidoka**—WM. MCCOY, Forest Supervisor, Oakley (WU-P); NILS B. ECKBO, Forest Agent.

**Payette**—GUY B. MAINS, Forest Supervisor, Emmett (WU-P); CARL B. ARENTSON, Deputy Forest Supervisor.

**Pocatello**—J. F. BRUINS, Acting Forest Supervisor, Pocatello (WU-P); A. L. BROWER, Forest Assistant; Pocatello Nursery—P. T. WRENSTED, Forest Ranger.

**Salmon**—JAMES M. RYAN, Acting Forest Supervisor, Salmon (WU-P); F. T. MCLEAN, Forest Assistant.

**Sawtooth**—C. N. WOODS, Forest Supervisor, Hailey (WU-P); H. G. MCPHETERS, Deputy Forest Supervisor; FRANK J. RYDER and C. P. WILBER, Forest Assistants.

**Targhee**—DAVID BARNETT, Forest Supervisor, St. Anthony (WU-P); CHESTER B. MORSE, Forest Assistant.

**Targhee (Palisade)**—DAN S. PACK, Forest Supervisor, St. Anthony (WU-P); LUCAS W. HASTINGS, Grazing Assistant.

**Weiser**—J. B. LAFFERTY, Forest Supervisor, Weiser (WU-P); W. M. CAMPBELL, Deputy Forest Supervisor; A. E. OMAN, Forest Assistant.

#### NEVADA

**Humboldt**—C. SYDNEY TREMEWAN, Forest Supervisor, Elko (WU-WF); W. W. BLAKESLEE, Deputy Forest Supervisor.

**Moapa**—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas (WU-WF).

**Nevada**—R. F. MATHIAS, Acting Forest Supervisor, Ely (WU-WF); CHAS. F. PATERSON, Deputy Forest Supervisor; RUDOLPH DIEFFENBACH, Forest Assistant.

**Toiyabe**—M. S. BENEDICT, Forest Supervisor, Austin (WU, P-WF).

#### UTAH

**Ashley**—W. M. ANDERSON, Forest Supervisor, Vernal (WU-WF).

**Cache**—CLINTON G. SMITH, Forest Supervisor, Logan (WU-P); J. E. ROTHERY, Deputy Forest Supervisor.

**Dixie**—JAMES E. JEWELL, Forest Supervisor, St. George (WU-WF).

**Fillmore**—WM. HURST, Forest Supervisor, Beaver (WU-WF); GEORGE C. THOMPSON, Deputy Forest Supervisor; REESE W. TAYLOR, Forest Assistant.

**Fishlake**—CHARLES L. SMITH, Forest Supervisor, Salina (WU-WF); OLUF G. NIELSON, Deputy Forest Supervisor.

**La Sal**—JOHN RIIS, Forest Supervisor, Moab (WU-WF).

**Manti**—A. W. JENSEN, Forest Supervisor, Ephraim (WU-WF); ERNEST WINKLER, Deputy Forest Supervisor; LINCOLN CROWELL, Forest Assistant; PARLEY CHRISTIANSEN, Grazing Assistant.

**Minidoka**—See Idaho.

**Nebo**—H. F. STUDLEY, Acting Forest Supervisor, Nephi (WU-WF).

Pocatello—See Idaho.

Powell—GEO. H. BARNEY, Forest Supervisor, Escalante (WU-WF).

Sevier—O. C. SNOW, Forest Supervisor, Panguitch (WU-WF); FRANK W. SEAMAN, Deputy Forest Supervisor.

Uinta—W. I. PACK, Forest Supervisor, Provo (WU-WF); SIDNEY S. STEWART, Forest Assistant; W. J. NES BOWEN, Grazing Assistant.

Wasatch—R. V. R. REYNOLDS, Forest Supervisor, Salt Lake City (WU, P-WF, P); WILLIAM M. MCGHIE, Deputy Forest Supervisor; Wasatch Nursery—N. J. FETHEROLF, Forest Planting Assistant.

#### WYOMING

Ashley—See Utah.

Caribou—See Idaho.

Targhee—See Idaho.

Teton—R. E. MILLER, Forest Supervisor, Jackson (WU-P).

Wyoming—JOHN RAPHAEL, Forest Supervisor, Afton (WU-P); H. E. WOOLLEY, Deputy Forest Supervisor; JOHN E. INGRAM, Forest Assistant; GLIDDEN J. BARSTOW, Grazing Assistant.

### DISTRICT 5

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

F. E. OLMSTED, District Forester.

COERT DUBOIS, Assistant District Forester.

H. P. DECHANT, Acting District Law Officer.

G. E. TROWBRIDGE, Assistant District Law Officer.

### OPERATION

ROY HEADLEY, Chief.

R. F. HAMMATT, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Accounts, CLARENCE WILEY, District Fiscal Agent.

Maintenance, JAMES B. JEFFRIES.

## SILVICULTURE

G. M. HOMANS, Chief.

T. D. WOODBURY, Assistant Chief.

**Timber Sales**, Chief and Assistant Chief of Silviculture.

## PROJECTS

Examination of timber trespass and of proposed sale areas in the recent addition to the Lassen National Forest—C. H. ENSIGN, Lumberman, Red Bluff, Cal.

Examination of proposed sale areas on the Plumas National Forest—PATRICK KENNEDY and J. C. ELLIOTT, Lumbermen, Quincy, Cal.

A study of eucalypts in the Hawaiian Islands in cooperation with the territorial Forester—L. MARGOLIN, Honolulu, Hawaii.

**Planting**, G. W. PEAVY; C. A. KUPFER, Assistant.

## PROJECTS

Construction of a coniferous nursery, location of permanent experimental planting areas, and the collection of seed on the Shasta National Forest—N. O. TORSTENSON, Planting Assistant, California.

Preparation of a plan for experimental eucalypts planting in southern California—J. M. GRANT, Santa Barbara, Cal.

**Silvics**, Chief and Assistant Chief of Silviculture.

## GRAZING

JOHN H. HATTON, Chief.

M. B. ELLIOTT, Assistant Chief.

## PRODUCTS

C. S. SMITH, in Charge.

## PROJECTS

**Timber Tests**—

Testing laboratory in cooperation with the University of California, Berkeley, Cal.—A. L. HEIM, in charge; assistant, G. R. GESSERT.

Tests on redwood in cooperation with the California Redwood Association.

**Wood Preservation**—

Experiments to determine the best methods of seasoning *Eucalyptus globulus* poles and logs, in cooperation with the estate of Adolph Sutro, the Pacific Land Investment Company, the Mount Tamalpais Cemetery Association, and the Parkside Realty Company; and *Eucalyptus viminalis* logs, in cooperation with the University of California—C. STOWELL SMITH, San Francisco, Cal.

Experiments to determine the relative resistance to marine wood borers of different species of untreated timber and of Douglas fir treated by various preservatives and coatings—A. K. ARMSTRONG, San Francisco, Cal.

Study of the conditions found in the Empire mines, Grass Valley, with a view to recommending cooperation in the preservative treatment of mine timbers—C. STOWELL SMITH, San Francisco, Cal.

## NATIONAL FORESTS

### CALIFORNIA

**Angeles**—R. H. CHARLTON, Forest Supervisor, Los Angeles (WU, P-WF); ERNEST B. LONG, Deputy Forest Supervisor; Lytle Creek Nursery—SEROPE Y. PARNAY, Forest Planting Assistant, San Bernardino.

**California**—ERNEST BRITTEN, Forest Supervisor, Willows (P-WF); N. B. DREW, Deputy Forest Supervisor; ALLAN H. HODGSON, Forest Assistant.

**Cleveland**—H. A. E. MARSHALL, Forest Supervisor, San Diego (WU, P-WF); PERCY L. DAY, Deputy Forest Supervisor; F. L. RICKY, Planting Assistant.

**Inyo**—A. H. HOGUE, Forest Supervisor, Bishop (WU-WF); JOHN D. COFFMAN, Forest Assistant.

**Klamath**—R. L. FROMME, Forest Supervisor, Yreka (P-WF); FRANK W. HARLEY, Deputy Forest Supervisor; SHIRLEY W. ALLEN, Forest Assistant.

**Lassen**—L. A. H. KLING, Forest Supervisor, Red Bluff (P-WF); J. C. LA PLANT, Deputy Forest Supervisor; HENRY L. BOLDENWECK, Forest Agent.

**Modoc**—C. E. RACHFORD, Forest Supervisor, Alturas (P-WF); VERNON L. BONNER, Deputy Forest Supervisor; BELKNAP C. GOLDSMITH, Forest Assistant.

**Mono**—See Nevada.

**Monterey**—RAYMOND TYLER, Forest Supervisor, Salinas (WU-WF).

**Plumas**—L. A. BARRETT, Forest Supervisor, Quincy (WU-WF); W. G. DURBIN, Deputy Forest Supervisor; J. R. HALL, Forest Assistant.

**Santa Barbara**—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara (P-WF); H. G. MERRILL, Deputy Forest Supervisor.

**Sequoia**—E. A. SHERMAN, Forest Supervisor, Hot Springs, Tulare County (WU via Porterville-WF); W. C. BURTON, Deputy Forest Supervisor.

**Shasta**—W. B. RIDER, Forest Supervisor, Sisson (P-WF); PHILIP T. HARRIS, Deputy Forest Supervisor.

**Sierra**—C. H. SHINN, Forest Supervisor, Northfork (WU via Fresno-WF); M. A. BENEDICT, Deputy Forest Supervisor; H. J. TOMPKINS, Forest Assistant.

**Stanislaus**—R. W. AYERS, Forest Supervisor, Sonora (WU-WF); D. N. ROGERS, Deputy Forest Supervisor; J. V. WULFF, Forest Assistant.

**Tahoe**—R. L. P. BIGELOW, Forest Supervisor, Nevada City (WU-WF); M. B. PRATT, Deputy Forest Supervisor; J. ALFRED MITCHEL, Forest Assistant.

**Trinity**—F. H. HAFLEY, Forest Supervisor, Weaverville (WU-WF); W. A. HUESTIS, Deputy Forest Supervisor; ERNEST V. JOTTER, Forest Assistant.

### NEVADA

**Inyo**—See California.

**Mono**—WM. M. MAULE, Forest Supervisor, Gardnerville (WU-WF).

**Tahoe**—See California.

## DISTRICT 6

Washington, Oregon, and Alaska.

Office, Beck Building, Portland, Oreg.

**C. S. CHAPMAN**, District Forester.

**GEO. H. CECIL**, Assistant District Forester.

**C. R. PIERCE**, District Law Officer.

**W. F. STALEY**, Assistant District Law Officer.

## OPERATION

**C. H. FLORY**, Chief.

**C. J. BUCK**, Assistant Chief.

**W. E. HERRING**, District Engineer.

**Organization**, Chief and Assistant Chief of Operation.

**Accounts**, A. H. COUSINS, District Fiscal Agent.

**Maintenance**, SHIRLEY BUCK.

## SILVICULTURE

**F. E. AMES**, Chief.

**C. S. JUDD**, Assistant Chief.

**Timber Sales**, Chief and Assistant chief of Silviculture.

## PROJECTS

## Oregon—

Examination of proposed sale areas on the Whitman National Forest—**C. S. JUDD**, Assistant Chief of Silviculture, Sumpter.

## Washington—

Examination of proposed sale areas on the Olympic National Forest—**J. P. HUGHES**, Lumberman, Olympia.

Reconnaissance of the Olympic National Forest—**MAX ROTHKUGEL**, Forest Assistant, Olympia.

**Planting**, **J. F. KÜMMEL**.

**Silvics**, **T. T. MUNGER**.

## GRAZING

H. K. O'BRIEN, Chief.  
T. P. MACKENZIE, Assistant Chief.

## PRODUCTS

J. B. KNAPP, in Charge.

## PROJECTS

## Timber Tests—

Testing laboratory in cooperation with the University of Washington, Seattle, Wash.—O. P. M. Goss in charge; assistants, P. S. BUHL, C. W. ZIMMERMAN.

Tests of treated Douglas fir in cooperation with the Pacific Creosoting Company.

Tests of fire-killed Douglas fir in cooperation with the Clarke County Timber Company and the Eastern and Western Lumber Company.

## Wood Preservation—

Investigation of the possibilities for the use of treated timber for improvement work on the National Forests in District 6—H. B. OAKLEAF, Portland, Oreg.

Investigation of the use of timber by the railroads and telegraph companies in the States of Oregon and Washington with a view to encouraging the use of a preservative treatment for such timber—J. B. KNAPP and H. B. OAKLEAF, Portland, Oreg.

## Wood Utilization—

Study of the market for and uses of forest products at Tacoma, Wash.—JOHN F. SULLIVAN, Tacoma, Wash.

Study of the shingle industry in the State of Washington—J. B. KNAPP and JOHN F. SULLIVAN, Portland, Oreg.

Study of the box industry in the Pacific Northwest—J. F. SULLIVAN, Portland, Oreg.

## NATIONAL FORESTS

## ALASKA

Chugach—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP); H. M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

Tongass—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP); H. M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

## CALIFORNIA

Crater—See Oregon.

Siskiyou—See Oregon.

## OREGON

Cascade—C. R. SEITZ, Forest Supervisor, Eugene (WU, P-WF); J. R. HARVEY, Deputy Forest Supervisor; E. B. STARR, Forest Assistant.

**Crater**—M. L. ERICKSON, Forest Supervisor, Medford (WU, P-WF); S. S. SWENNING, Deputy Forest Supervisor; H. D. FOSTER and B. T. HARVEY, Forest Assistants.

**Deschutes**—A. S. IRELAND, Forest Supervisor, Prineville (PT & T-WF, via Shaniko).  
**Fremont**—GUY M. INGRAM, Forest Supervisor, Lakeview (WU via Klamath Falls-WF); G. D. BROWN, Deputy Forest Supervisor.

**Malheur**—CY. J. BINGHAM, Forest Supervisor, John Day (WU via Baker City-WF via Baker City).

**Oregon**—T. H. SHERRARD, Forest Supervisor, Portland (WU, P-WF, N, P); RALPH S. SHELLEY, Deputy Forest Supervisor; W. B. OSBORNE, Forest Assistant.

**Siskiyou**—M. J. ANDERSON, Forest Supervisor, Grants Pass (WU, P-WF); HUGH M. GUTHRIE, Deputy Forest Supervisor; H. HAEFNER, Forest Assistant.

**Siuslaw**—A. E. COHOON, Forest Supervisor, Eugene (WU, P-WF); DAVID E. FITTON, Deputy Forest Supervisor.

**Umatilla**—THOS. E. CHIDSEY, Forest Supervisor, Heppner (WU-P).

**Umpqua**—S. C. BARTRUM, Forest Supervisor, Roseburg (WU, P-WF); H. M. HALE, Deputy Forest Supervisor; E. H. McDANIELS, Forest Assistant.

**Wallowa**—H. W. HARRIS, Forest Supervisor, Wallowa (WU-P); S. A. BROWN, Deputy Forest Supervisor; CHAS. BLACK, Grazing Assistant; E. O. SIECKE, Forest Assistant.

**Wenaha**—See Washington.

**Whitman**—HENRY IRELAND, Forest Supervisor, Sumpter (WU via Baker City-WF via Baker City).

#### WASHINGTON

**Chelan**—G. W. MILHAM, Forest Supervisor, Chelan (PT & T-GN via Wenatchee); D. S. RICE, Deputy Forest Supervisor; D. B. REYNOLDS, Forest Assistant.

**Columbia**—HOMER ROSS, Acting Forest Supervisor, Portland, Oreg. (WU, P-WF, N, P); A. R. WILCOX, Forest Assistant.

**Colville**—C. C. REID, Acting Forest Supervisor, Republic (WU, P-GN).

**Olympic**—R. E. BENEDICT, Forest Supervisor, Olympia (WU-GN, N); E. E. FISHEL, Deputy Forest Supervisor.

**Rainier**—G. F. ALLEN, Forest Supervisor, Orting (WU-N); H. L. HURD, Deputy Forest Supervisor; C. P. WILLIS and E. J. FENBY, Forest Assistants.

**Snoqualmie**—B. P. KIRKLAND, Forest Supervisor, Seattle (WU, P-N, GN, WF); E. T. CLARK, Forest Assistant.

**Washington**—C. H. PARK, Forest Supervisor, Bellingham (WU, P-GN, N); A. A. PARKER, Deputy Forest Supervisor; F. H. BRUNDAGE and M. L. MERRITT, Forest Assistants.

**Wenaha**—J. M. SCHMITZ, Forest Supervisor, Walla Walla (WU-N, P).

**Wenatchee**—A. H. SYLVESTER, Forest Supervisor, Leavenworth (WU-GN); S. A. BLANKENSHIP, Deputy Forest Supervisor; F. W. CLEATOR, Forest Assistant.

## SERVICE CHANGES IN DECEMBER

## APPOINTED

## Forester—

PUBLICATION: EDWIN R. JACKSON, Expert.

## RESTORED TO THE ROLLS

## Silviculture—

FEDERAL COOPERATION: ALLAN R. PATTERSON, Chief.

## CHANGE IN DESIGNATION

## District 5—

ORGANIZATION: M. A. BENEDICT, Deputy Forest Ranger, Plumas National Forest, to Deputy Forest Supervisor, Sierra National Forest.

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With deep regret announcement is made of the death, on November 2, 1909, of William A. Phelps, Forest Ranger on the Coconino National Forest.

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# SERVICE NOTES FOR JANUARY

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

## OFFICE OF THE FORESTER

### LAW

#### Drift Fences, etc., on the Public Domain—

Several conferences have been held between representatives of the Department of the Interior and the Department of Agriculture in reference to drift fences and small enclosures with stock-watering tanks, wells, etc., which have been erected within or along the boundaries of National Forests under permits by the Forest Service and which will be left upon the public domain by proclamations eliminating certain areas from National Forests. As a result of these conferences, the Secretary of the Interior has written a letter to the Secretary of Agriculture, in which he states that, in reference to such drift fences and pastures, the Department of the Interior will not remove, or take steps to remove, them until ninety days after the date when the proclamation of elimination shall become effective, provided that the enclosures do not interfere with the rights of settlers and would-be entrymen under the public-land laws. He further states, in reference to small enclosures with stock-watering tanks, etc., that the Interior Department will initiate no action for the termination of such use until the expiration of the term specified in the Forest Service permit, provided that the enclosures are immediately removed at the expiration of the time so specified or prior thereto in case the lands in question should be entered under any of the public-land laws.

In order that the Department of the Interior may be informed with regard to drift fences and enclosures which have been thus erected under Forest Service permit, the Secretary of Agriculture has agreed, upon any Forest elimination affecting such fences or enclosures, to send a list thereof to the Secretary of the Interior as soon as the proclamation is made effective.

Since the Secretary of the Interior can not protect the Forest Service permittees against bona fide settlers who file on the lands so enclosed, it would seem advisable that Forest officers should inform the stockmen interested that they can obtain adequate protection by filing upon the lands in question themselves.

#### Correspondence with the Interior Department—

All Forest Service correspondence with the Interior Department or with the officials of the General Land Office will hereafter be as follows:

1. All classes of correspondence hitherto addressed to the Secretary of the Interior or to the Commissioner of the General Land Office will be addressed to the Secretary of the Interior and will be prepared for the signature of the Secretary of Agriculture.

2. All correspondence with subordinate officials of the Interior Department and the General Land Office on matters controverted between them will be prepared for the signature of the Secretary of Agriculture.

3. All letters transmitting favorable reports on claims by which lands will be alienated from the National Forests, all letters to the Secretary of the Interior listing lands under the act of June 11, 1906, accompanied by the report thereon by the examining officer, and all letters to the Secretary of the Interior reporting on right-of-way applications, accompanied by the stipulations and reports relating thereto, will be prepared for the signature of the Secretary of Agriculture.

4. The District Forester may correspond with officials of the local land office as hitherto (a) when transmitting unfavorable reports; (b) when making requests for status; and (c) in all other matters about which there is no difference of opinion between the officials of the two departments.

**Criminal Action Dismissed—**

The criminal case against Claes William Anderson, for cutting timber from the Siskiyou National Forest, was, on December 14, dismissed on motion of the United States attorney.

## OPERATION

**Transfers—**

In a number of instances lately members of the Service have made requests for transfer to other Districts, Forests, or Offices, without first taking the matter up with the officers in charge of the work to which they were then assigned. In no case should the question of transfer be taken up by any officer in charge of one District or Forest with a subordinate in another District or Forest, or with anyone making a request on behalf of such subordinate, without the knowledge of the officer in charge of the other District or Forest which may be indicated either by correspondence or by endorsement or initialing on the subordinate's request for transfer. Misunderstandings and needless correspondence will be obviated if this rule is followed.

**Transfer of Salary Card—**

Under the new card-accounting system, when a member is transferred from one Forest to another the procedure provided on page 51 of the Manual of Procedure for transfer of salary card (Form 19) should be followed by Forest supervisors. Care should be taken by the transferring supervisor, however, that the substitute card prepared for his own file in accordance with the instructions given on page 51 of the Manual is complete before the original is forwarded. The record of leave card (Form 24) should also be transferred, in order that the Forest to which a member is assigned may have his full record.

**Special Transportation and Personal Services Defined—**

In the meaning of Paragraph 14 (c) of the Fiscal Regulations "special transportation" includes the hire of teams, automobiles, boats, etc., by the day, week, or month and does not include ordinary hack or taxicab fares, for which, as for a reet-car fares, subvouchers are not required. "Personal services" means the employment of labor at a per hour, per diem, or per month rate. The cleaning of offices, mowing of lawns, repairing of tools, and other repair work are not "personal services" in the meaning of the regulation.

**Distribution of Rangers' Services on Form 347 —**

Form 347, Monthly Service Report, has in many instances shown too large a percentage of the time charged against "Miscellaneous Executive Duties." It is not intended when the day is divided among several classes of work that it be charged to "Miscellaneous Executive Duties," but that the only charge against this class of service be for work not connected in any way with any of the classes specifically named. Going for mail and general supplies is an illustration of work which can properly be charged to "Miscellaneous Executive Duties;" but, if a ranger engaged in fighting fire stops to go for supplies for the party, his time should be charged to fighting fire. It is suggested that the ranger distribute his time among the various classes at the end of each day's diary and round off fractions of days for his totals of the month.

**Copy for Advertisements—**

Frequent disallowances from advertising accounts are necessary because copy is incorrectly prepared. The instructions and sample forms printed on page 2 of the Form BF voucher should be carefully followed when preparing copy for advertising.

**Economy in Telegraphing—**

A sufficient supply of General Order No. 137 of the Secretary of Agriculture has been sent to District Foresters to enable the distribution of the order to all members of the Service who are authorized to make official use of the commercial telegraph. The name or title of the officer or member addressed should always be indicated by one word. Telegrams to a District Office should be addressed "Forestry," instead of "District Forester" as hitherto. Members of the Service should not fail to register at telegraph offices to insure the delivery of telegrams addressed to them under abbreviated names or titles. Members will be held to strict account for the use of needless words and for using the wires when the mail would be sufficient.

**Proper Way of Writing Atlas Figures—**

Hereafter the figures in all reports for the Forest Atlas and for the District Atlases will be *whole numbers followed by a decimal point and two decimals, or whole numbers without decimal point or decimals*. Reduce common fractions to decimals. Always use two decimals, never more nor less, thus:

Write \$43,256.20,	not \$43,256.2.
Write \$1,976.00,	not \$1,976.
Write 23.97 per cent, not	23.9731 per cent.
Write 0.97 per cent, not	.97 per cent.
Write 13.56 per cent, not	.1356 (in distribution of Ranger Services).
Write 16.13 miles, not	16 $\frac{1}{8}$ miles.
Write 16.25 miles, not	16 $\frac{1}{4}$ miles.
Write 9.50 chains, not	9.5 chains.
Write 43.37 acres, not	43.372 acres.
Write 43.38 acres, not	43.377 acres.

In timber sales and other transactions where M. B. F. constitutes the unit of measure, omit the decimals. In all cases where the fraction is 500 feet or over increase it to one M. B. F. and discard all fractional parts of less than 500 feet, thus:

Write 5,124 M. B. F., not 5,124.49 M. B. F.

Write 5,125 M. B. F., not 5,124.53 M. B. F.

Do not enter fractional figures of cord measurements. A fraction of one-half cord or over should be treated as a whole cord, and minor fractions discarded, thus:

Write 350 cords, not 350.47 cords.

Write 351 cords, not 350.58 cords.

Care must also be taken to avoid the inadvertent insertion of decimals in connection with such items as can be reported only in whole numbers, viz, cattle, houses, ranger stations, etc., thus:

Write 2,260 sheep, not 2,260.00 sheep.

Write 16 houses, not 16. houses.

The hundreds, thousands, and millions of whole numbers should be separated by commas (,) thus:

Write 1,000,000, not 1000000

Write 1,000, not 1000.

This scheme does not conflict with that of the General Land Office in recording the areas of land, except that only the regular subdivisions of sections are expressed in whole numbers: as 40, 80, 120, 160, 320, or 640 acres. The areas of unconventional sections or lots are expressed by whole numbers followed by a decimal point and two decimals. If in the future any statements of Land Office legal subdivisions are included in the Atlas, it will be most convenient to follow this plan. An example of such a statement is:

Sec. 2. All	638.26	acres.
Sec. 3. Lot 1	19.32	acres.
Sec. 3. Lot 2 and S. $\frac{1}{2}$ NE.	119.20	acres.
Sec. 11. All	640	acres.
Sec. 12. NW. of NW.	40	acres.
Sec. 12. SW.	160	acres.
Sec. 18. E. $\frac{1}{2}$ of NW.	80	acres.
Sec. 18. Lot 3	43.26	acres.
Sec. 19. Lot 17	0.93	acres.

Please notice, however, that where decimals are used there are always two.

## SILVICULTURE

### Timber Sale Advertisements—

Circular letter SM of April 22, 1908, directs that notices of sale be signed by the supervisor without giving his title. Instances have occurred where inquiries in regard to sale so directed to supervisors, who were in the field, have remained unopened, because they were taken to be personal mail. Hereafter in Class B advertised sales the fourth line of the notice of sale, as given in the above circular letter, should read "addressed to Forest Supervisor, ..... National Forest, ..... (address),"

and the last sentence should read "For further information and regulations governing sales, address Forest Supervisor, ..... National Forest, ..... (address)." All mail addressed in this way should be opened by the Forest officer in charge of the office. In District Foresters' sales the same change should be made in the last sentence of the notice of sale.

**Rangers Authorized to Make Class A Sales—**

Since no record of rangers' timber sales is kept in the District offices, it is no longer necessary for supervisors to send to the District Forester the names of Forest officers authorized to make Class A sales. This does not mean, however, that it is no longer necessary for supervisors to authorize rangers to make such sales, but simply that the District Forester does not need to be advised when such authorization is given to a ranger.

**Correction of Form 874-a—**

Form 874-a has a typographical error. The volume for a tree of 90 feet in height and 18 inches in diameter should read 375 instead of 275.

**Timber Sale Reports—**

In all sales the amount should not be included under "Timber Sold" in the monthly report (Form 949) until the agreement has been finally approved. Even where advance cutting is allowed this should not be shown as timber sold until final approval of the agreement (not the application). The advance cutting is adequately shown under the column "Timber Cut."

## GRAZING

**Collection and Identification of Forage Plants—**

The Forest Service employs a consulting expert to identify and to determine the properties of all forage plants and grasses which are submitted for identification by Forest officers. Supervisors who desire to determine the character and properties of plants growing upon their Forests may do so by submitting specimens of the plants to the Forester with a request for their classification.

During the past season many collections of flowering plants and grasses have been submitted by Forest officers for identification. In many cases the specimens have been sent in without being numbered, and, as a result, it has been necessary to return the entire collection in order to give the collector the name and properties of each. This not only causes delay and trouble in repacking, but makes improper identification probable, due to the mixing of labeling tags and plants.

Hereafter Forest officers submitting specimens for identification should collect two specimens of each plant. The two samples should be labeled with the same number and same date, one sample to be sent to the District office for identification and the other retained in the supervisor's office for reference.

The specialist who identifies the plant can then report the scientific name and properties of each by referring to its number as follows:

Number.	Scientific name.	Common name.	Forage value.
1.	Bromus inermis.	Awnless Brome grass.	Excellent.
2.	Delphinium menziesii.	Purple larkspur.	Poisonous.

On receiving such a report from the specialist the Supervisor should refer to his specimen of No. 1 and record the date that it was secured.

For methods of collecting, labeling, and mounting plant specimens, the pamphlet issued by the Forest Service April, 1909, "Suggestions for the Collection of Range Plant Specimens on National Forests," should be consulted.

#### **Permits in Exchange for Use of Private Lands—**

A modification of the regulation in reference to the use of private lands has been made and hereafter applications for permits on Form 925 will be made only when it is desired to waive the right to the exclusive use of private lands in exchange for a permit to graze stock upon the National Forest. Form 925 has been revised to meet the requirements of the new regulation and a supply of the new form should be secured by requisition. Permits for crossing the Forest to reach private lands, the right to the exclusive use of which is not waived, will be issued on Form 874-17 under the provisions of the regulation governing crossing permits.

#### **Revised Regulations and Instructions—**

The fourth revision of the grazing regulations and instructions, approved by the Secretary, to take effect January 1, 1910, is contained in the grazing section of the new Use Book. This revision has just been published and is ready for distribution by requisition on the Supply Depot at Ogden. Positively no changes will be made in these regulations or instructions during the calendar year of 1910, unless such action is required by an act of Congress or for some exceptionally important reason. Recommendations for modifications of the regulations or instructions, except as mentioned, will be filed for consideration in the issuance of instructions for the season of 1911.

#### **Reports on Predatory Animals Killed—**

In accordance with the new instructions, all rangers and guards, other than those appointed as hunters, will report, at the time of making their regular quarterly report, the number of predatory animals killed by them. Form 343 has been revised so that it may be used for this purpose as well as by hunters in making their monthly reports.

#### **Rangers' Quarterly Reports—**

The rangers' monthly report on grazing conditions within the district under their control has been discontinued. A quarterly report will be required in its place for the quarters ending June 30 and September 30 on all Forests, and for the quarters ending December 31 and March 31 on districts where more than 50 per cent of the total number of stock allowed is grazed during the winter season. Full instructions are given on Form 658, which has been revised to meet the new requirements, and may be had upon requisition.

## **PRODUCTS**

#### **Information Desired on Uses of Woods—**

The Branch of Products is gathering information on the uses of American woods. A statement is being prepared which gives for each species its historical uses and explains the reasons why it has entered into or been abandoned for any particular

use. Present uses are given and a discussion included of the qualities of the wood which fit it for specific uses.

Any member of the Service who gains information regarding the use of any timber in a way not commonly known should report the matter, through the proper Office or Branch, to the Forester for the information and aid of the Branch of Products.

**Fiscal Agent for Branch of Products—**

Beginning January 1, 1910, a District Fiscal Agent will be assigned to the Branch of Products and will be located at Madison, Wis. Members of the Branch of Products, who have heretofore submitted accounts to the Washington Office, will hereafter submit them to the District Fiscal Agent, 1610 Adams street, Madison, Wis.

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**SERVICE PUBLICATIONS ISSUED IN DECEMBER**

Circular 171. The Forests of the United States: Their Use.

Circular 172. Methods of Increasing Forest Productivity.

Circular 174. Reproduction of Western Yellow Pine in the Southwest.

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UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

HENRY S. GRAVES, Forester

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# February Field Program 1910

This program of field work and assignments in the Forest Service is issued on the first day of each month and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.



# FIELD PROGRAM FOR FEBRUARY, 1910

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## OFFICE OF THE FORESTER

HENRY S. GRAVES, Forester.

ALBERT F. POTTER, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

P. P. WELLS, Law Officer:

HERBERT A. SMITH, Editor.

FINDLEY BURNS, in charge of Publication.

GEORGE B. SUDWORTH, Dendrologist.

R. S. KELLOGG, Assistant Forester, engaged upon Forest Statistics.

EUGENE S. BRUCE, Expert Lumberman.

D. D. BRONSON, General Inspector.

E. M. GRIFFITH, Special Inspector, Madison, Wis.

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## OPERATION

JAMES B. ADAMS, Assistant Forester, in Charge.

GEORGE G. ANDERSON, Assistant in Office Methods.

## ACCOUNTS

H. B. CRAMER, Fiscal Agent.

E. A. MELZAR, District Fiscal Agent.

## GEOGRAPHY

FRED G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.

Alienation, J. B. SATTERLEE.

Drafting, C. A. KOLB.

Photography, A. G. VARELA.

## MAINTENANCE

GEORGE A. BENTLEY, Chief.

## SILVICULTURE

WILLIAM T. COX, Assistant Forester, in Charge.  
E. E. CARTER, Assistant Forester.

### STATE AND PRIVATE COOPERATION

J. G. PETERS, Chief.  
J. H. FOSTER, Assistant Chief (in the Field).

### PROJECTS

#### Alabama—

Preparation of a working-plan report for the Tennessee Coal, Iron and Railroad Company—E. D. CLARK, Washington, D. C.

#### Eastern States—

Preliminary examinations of forest land, in cooperation with private owners—G. T. BACKUS, W. M. MOORE, W. H. VON BAYER, and A. W. WILLIAMSON, Washington, D. C.

#### Illinois—

Study of forest conditions, in cooperation with the State Laboratory of Natural History—R. C. HALL and O. D. INGALL, Urbana.

#### Louisiana—

Preliminary examination of forest conditions, in cooperation with the State—J. H. FOSTER, Baton Rouge.

#### North Carolina—

Preparation of a report on forest conditions, in cooperation with North Carolina Geological and Economic Survey—J. S. HOLMES, Chapel Hill.

#### Virginia—

Preliminary examination of forest conditions, in cooperation with the State, and examination of forest land, in cooperation with private owners—W. W. ASHE, Richmond.

## SILVICS

RAPHAEL ZON, Chief (in the field).  
S. T. DANA, Acting Chief.

### PROJECTS

#### General—

Seed testing and seed storage—N. H. GRUBB, Washington, D. C.

Basket willow study—G. N. LAMB, Washington, D. C.

Comparative study of silvical characteristics of North American species—C. R. TILLOTSON, Washington, D. C.

Preparation of silvical leaflets on western hardwoods, and potential range of foreign species of value to the United States—MISS M. C. GANNETT, Washington, D. C.

#### Florida—

Study of eucalypts and native hardwoods—R. ZON and J. M. BRISCOE, Jacksonville.

#### Northeastern States—

Study of northern hardwoods—E. H. FROTHINGHAM, Washington, D. C.

Forest Measurements, W. B. BARROWS.  
Library, Miss H. E. STOCKBRIDGE.

## GRAZING

**A. F. POTTER**, Associate Forester, in Charge.

**L. F. KNEIPP**, Assistant Forester.

**WILL C. BARNES**, Inspector of Grazing (in the Field).

### PROJECTS

Forage investigations; compilation of data—**F. V. COVILLE**, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; preparation of report on experimental pasture project, **JAMES T. JARDINE**, Deputy Forest Supervisor, Washington, D. C.; preparation of report on forage plant investigations, **ARTHUR T. SAMPSON**, Plant Ecologist, Washington, D. C. (detailed to Bureau of Plant Industry under instructions of **F. V. COVILLE**, Botanist).

Identification of grasses and plants—**Dr. EDWARD L. GREENE**, Consulting Expert, Washington, D. C.

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## PRODUCTS

**WM. L. HALL**, Assistant Forester, in Charge.

Accounts, **W. R. FUCHS**, District Fiscal Agent, Madison, Wis.

Purchase, **W. H. KEMPFER**, Madison, Wis.

## LABORATORY

In cooperation with the University of Wisconsin.

**McGARVEY CLINE**, Director, Madison, Wis.

## WOOD PRESERVATION

**HOWARD F. WEISS**, in Charge, Madison, Wis.

**EDWARD H. FORD**, Assistant, Madison, Wis.

### Projects

Installation and operation of an experimental tie-treating plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—**C. P. WINSLOW**; assistant, **E. W. PETERS**, Birmingham, Ala.

Design and construction of apparatus for the prevention of sap stain and for a wood-preserving plant, in cooperation with the Great Southern Lumber Company—**C. T. BARNUM**, Madison, Wis.

Installation of wood-preserving apparatus, Forest Products Laboratory—**F. M. BOND**; assistant, **C. H. TEESDALE**, Madison, Wis.

## TIMBER TESTS

ROLF THELEN, in Charge, Madison, Wis.

## Projects

Timber-testing laboratory, ROLF THELEN, J. A. NEWLIN, THOMAS LYONS, and HARRY WEYLS, Madison, Wis.:

Purchase and installation of machinery and equipment;

Design of wood-working shop and purchase of equipment;

Design of machine shop and purchase of equipment.

Correlation of file system and analysis of timber-test data—H. E. MCKENZIE and J. O. BIXBY

## WOOD CHEMISTRY

H. S. BRISTOL, in Charge, Madison, Wis.

H. E. SURFACE, Assistant, Madison, Wis.

## Projects

Experiments with various woods for paper pulp—E. SUTERMEISTER, at Madison, Wis.

The refining and grading of wood turpentine and the methods of turpentine analysis—L. F. HAWLEY and E. BATEMAN, both at Madison, Wis.

Installation of wood-pulp, chemical, and wood-distillation laboratories—H. E. SURFACE.

## WOOD TECHNOLOGY

H. D. TIEMANN, in Charge, Washington, D. C.

## Projects

Devisal of methods and design of apparatus for drying and humidifying wood—H. D. TIEMANN.

Micrological studies of American woods—C. D. MELL and W. D. BRUSH.

Making micro-photographs of wood sections—H. D. TIEMANN and C. D. MELL.

Determination of the effect of different processes of drying upon the properties of wood—H. D. TIEMANN.

## MAINTENANCE

W. H. KEMPFER, in Charge, Madison, Wis.

Stenography, Mrs. NINA OWEN.

Computing, Mrs. CARRIE N. MILLER.

Files and Library, Miss ELLA O. LATHAM.

## WOOD UTILIZATION

H. S. SACKETT, in Charge, Fisher Building, Chicago, Ill.

## PROJECTS

## Markets—

Preparation of a market report for Chicago, Ill.—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

## Prices—

Collection of wholesale lumber prices in the markets and f. o. b. mill prices—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

## Wood Uses—

Study of the wood-using industries of Illinois—R. E. SIMMONS, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Wisconsin, in cooperation with the State Board of Forestry—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Kentucky, in cooperation with the State Board of Agriculture, Forestry, and Immigration—R. E. SIMMONS, Fisher Building, Chicago, Ill.

Study of the wood-using industries of North Carolina, in cooperation with the North Carolina Geological and Economic Survey—R. E. SIMMONS, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Maryland, in cooperation with the State Board of Forestry—HU MAXWELL, Washington, D. C.

Preparation of reports upon the uses of the principal commercial woods—HU MAXWELL, Washington, D. C.; W. L. HALL, Washington, D. C.

Study of woods which may be used as substitutes for the southern junipers in the manufacture of lead pencils—H. S. SACKETT, Fisher Building, Chicago, Ill.

## Waste—

Study of the waste incident to the manufacture of even lengths of flooring, ceiling siding, and finish in the white pine, yellow pine, and hardwood regions—CHAS. F. HATCH, Fisher Building, Chicago, Ill.

# DISTRICTS

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## DISTRICT 1

Montana, northeastern Washington, northern Idaho, northwestern South Dakota  
northern Michigan, northern Minnesota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

**W. B. GREELEY**, District Forester.

**F. A. SILCOX**, Assistant District Forester.

**W. M. AIKEN**, District Law Officer.

**E. B. QUIGGLE**, Assistant District Law Officer.

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## OPERATION

**R. H. RUTLEDGE**, Chief.

**J. B. MARTIN**, Assistant Chief.

**E. W. KRAMER**, District Engineer.

Organization, Chief and Assistant Chief of Operation.

Accounts, **H. I. LOVING**, District Fiscal Agent.

Maintenance, **R. L. CAMPBELL**.

## SILVICULTURE

**R. Y. STUART**, Chief.

**D. T. MASON**, Assistant Chief.

**Timber Sales**, Chief and Assistant Chief of Silviculture.

## PROJECTS

### **Idaho—**

Timber-sale work, Kaniksu National Forest—**G. L. COTT**, Lumberman, Newport, Wash.

### **Montana—**

Northern Pacific estimates—**KARL W. WOODWARD**, **N. C. BROWN**, **L. S. MURPHY**, **W. B. PIPER**, **F. A. GAYLORD**, **J. ST. J. BENEDICT**, **E. D. FLETCHER**, and **M. N. STICKNEY**, Missoula; Bitterroot National Forest, **M. N. STICKNEY**, Darby.

Examination of timber, Sioux National Forest—**J. S. BAIRD**, Lumberman, Camp Crook, S. Dak.; assistants, **J. L. COBBS**, **H. E. FEGLY**, **R. P. PRITCHARD**, **L. C. STOCKDALE**, and **R. W. MCKNIGHT**.

Planting, **E. C. CLIFFORD**.

**G. B. McDONALD**.

**Silvics**, Chief and Assistant Chief of Silviculture.

## PROJECT

## Idaho—

Preparation of yield tables for Coeur d'Alene National Forest—F. I. ROCKWELL, Missoula, Mont.

## Montana—

Preparation of yellow pine volume tables for Bitterroot National Forest—E. I. TERRY, Missoula.

Cooperation, Bureau of Entomology.

## PROJECT

Location of insect-infested timber and determination of methods of local control—JOSEF BRUNNER, Field Agent, Bureau of Entomology, Columbia Falls, Mont.

## GRAZING

C. H. ADAMS, Chief.

W. S. PERRINE, Assistant Chief.

## PRODUCTS

## PROJECTS

## Wood Preservation—

Construction and experimental operation of a wood-preserving plant for treating fence posts and other ranch timbers, in cooperation with the Bitter Root Stock Farm—P. R. HICKS, Missoula, Mont.

Construction and experimental operation of a wood-preserving plant for treating ties, mine timbers, and telephone poles, in cooperation with the Anaconda Copper Mining Company—P. R. HICKS, Missoula, Mont.

## NATIONAL FORESTS

## IDAHO

Beaverhead—See Montana.

Clearwater—F. A. FENN, Forest Supervisor, Kooskia (WU-N); EDW. C. THENON, Deputy Forest Supervisor.

Coeur d'Alene—ROSCOE HAINES, Acting Forest Supervisor, Wallace (WU-N).

Kaniksu—See Washington.

Nezperce—GEO. V. RING, Forest Supervisor, Grangeville (WU-P); J. ARTHUR BROWN, Deputy Forest Supervisor.

Pend Oreille—J. E. BARTON, Forest Supervisor, Sandpoint (WU-N, W); EDW. G. STAHL, Deputy Forest Supervisor.

## MICHIGAN

Michigan }—S. M. HIGGINS, Acting Forest Supervisor, Au Sable (WU-Am).  
Marquette }

## MINNESOTA

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake (WU-GN).

Superior—SCOTT LEAVITT, Acting Forest Supervisor, Ely (WU-GN); JAMES A. HOWARTH Jr., Forest Assistant.

## MONTANA

**Absaroka**—V. GIFFORD LANTRY, Forest Supervisor, Livingston (WU-N).  
**Beartooth**—J. F. PRESTON, Acting Forest Supervisor, Red Lodge (WU-N).  
**Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon (WU-P); R. J. MOORE, Deputy Forest Supervisor.  
**Bitterroot**—W. W. WHITE, Forest Supervisor, Missoula (WU-N).  
**Blackfeet**—F. N. HAINES, Forest Supervisor, Kalispell (WU-GN); R. P. McLAUGHLIN, Deputy Forest Supervisor; C. N. WHITNEY, Forest Assistant.  
**Cabinet**—RALPH H. BUSHNELL, Forest Supervisor, Thompson Falls (WU-N).  
**Custer**—GLEN A. SMITH, Forest Supervisor, Ashland (WU via Forsyth-N via Forsyth).  
**Deerlodge**—C. C. HALL, Forest Supervisor, Anaconda (P-N); HARRY C. SCHICK, Deputy Forest Supervisor; F. S. PATTON, Forest Assistant.  
**Flathead**—PAGE S. BUNKER, Forest Supervisor, Kalispell (WU-GN); JOHN H. CLACK, Deputy Forest Supervisor.  
**Gallatin**—D. T. CONKLING, Forest Supervisor, Bozeman (WU-N).  
**Helena**—DWIGHT BUSHNELL, Forest Supervisor, Helena (WU-N); J. D. WARNER, Deputy Forest Supervisor.  
**Jefferson**—J. B. SEELY, Forest Supervisor, Great Falls (WU-N); WELLMAN HOLLOWAY, Deputy Forest Supervisor; HENRY H. FARQUHAR, Forest Assistant.  
**Kootenai**—DORR SKEELS, Acting Forest Supervisor, Libby (WU-GN); RUTLEDGE PARKER, Forest Assistant.  
**Lewis and Clark**—W. H. DAUGS, Forest Supervisor, Chouteau (WU via Collins-GN via Collins).  
**Lolo**—ELERS KOCH, Forest Supervisor, Missoula (WU, P-N); THOS. C. SPAULDING, Forest Assistant.  
**Madison**—CLIFTON W. HUDSON, Forest Supervisor, Sheridan (WU-N).  
**Missoula**—D. G. KINNEY, Forest Supervisor, Missoula (WU, P-N); RUSSELL G. POND, Deputy Forest Supervisor.  
**Sioux**—See South Dakota.

## NORTH DAKOTA

**Dakota**—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (WU via Bellefourche-Am via Bellefourche).

## SOUTH DAKOTA

**Sioux**—C. A. BALLINGER, Forest Supervisor, Camp Crook (WU via Bellefourche-Am via Bellefourche).

## WASHINGTON

**Kaniksu**—W. N. MILLAR, Forest Supervisor, Newport (WU-GN); WM. C. LATANE, Forest Assistant.

## DISTRICT 2

Colorado, Wyoming, South Dakota, Nebraska, and western Kansas.

Office, Majestic Building, Denver, Colo.

**SMITH RILEY**, District Forester.

**P. G. REDINGTON**, Assistant District Forester.

J. F. LAWSON, Acting District Law Officer.

## OPERATION

FRED W. MORRELL, Chief.

C. J. STAHL, Assistant Chief.

NILE HUGHEL, District Engineer.

**Organization**, Chief and Assistant Chief of Operation.

**Accounts**, JOHN A. URBANOWICZ, District Fiscal Agent.

**Maintenance**, F. B. AGEE.

## SILVICULTURE

A. K. CHITTENDEN, Chief.

S. L. MOORE, Assistant Chief.

**Timber Sales**, Chief and Assistant Chief of Silviculture.

## PROJECT

**Wyoming**—

Supervision of logging, Big Horn Timber Company sale on the Bighorn National Forest—JOHN E. ELLIOTT, Woodrock.

**Planting**, L. C. MILLER.

**Silvics**, C. G. BATES.

## PROJECTS

**Colorado**—

Study of the climatic factors affecting the distribution, growth, and pathological condition of the Rocky Mountain forest trees at the Fremont Experiment Station—L. C. CHAPMAN, Manitou.

**Wyoming**—

Preparation of preliminary report on loblolly pine cutting system, with volume tables for Cheyenne National Forest—A. G. HAMEL, Denver, Colo.

**Cooperation**, Bureau of Entomology.

**PROJECT**

Location of insect-infested timber and determination of methods of local control—  
W. D. EDMONSTON, detailed from the Forest Service, Colorado Springs, Colo.

**GRAZING**

J. W. NELSON, Chief.  
E. N. KAVANAGH, Assistant Chief.

**PRODUCTS**

H. S. BETTS, in Charge.

**PROJECTS****Timber Tests—**

Timber-testing laboratory in cooperation with the University of Colorado, Boulder, Colo.—NORMAN BETTS, in charge; assistants, A. D. WOLFF and H. V. BLANK.

Tests on round timbers of various Rocky Mountain species, including mine timbers, in cooperation with the Northern Coal and Coke Company, Rocky Mountain Fuel Company, and various National Forests.

Tests on western red cedar, lodgepole pine, and Engelmann spruce telephone poles, in cooperation with the South Platte Power Company, Central Colorado Power Company, and the Colorado Telephone Company.

Preparation of specimens for exhibits of the Denver Chamber of Commerce and the Missoula Chamber of Commerce.

**Wood Preservation—**

Construction and experimental operation of a portable wood-preserving plant on the Routt National Forest—H. M. MASON, Jr., Denver, Colo.

Compilation of a final report on the year's work at the Forest Service wood-preserving plant at Norrie, Colo.—D. L. CARMODY, Denver, Colo.

Preliminary report on the feasibility of preservative treatment for the mine timbers of the Smuggler-Union Mining Company—H. M. MASON, Jr., Denver, Colo.

**NATIONAL FORESTS****COLORADO**

**Arapaho**—C. G. POOLE, Forest Supervisor, Fraser (WU-Ad); LEE E. COOPER, Deputy Forest Supervisor.

**Battlement**—JOHN W. LOWELL, Jr., Acting Forest Supervisor, Collbran (WU-WF, G).

**Cochetopa**—EUGENE WILLIAMS, Forest Supervisor, Saguache (WU-G).

**Gunnison**—WM. R. KREUTZER, Forest Supervisor, Gunnison (WU-WF, G); E. C. BERRY, Deputy Forest Supervisor; STANLEY B. HALL, Forest Assistant.

**Hayden**—See Wyoming.

**Holy Cross**—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs (WU-WF, G); ALBERT H. MILLER, Deputy Forest Supervisor.

**La Sal**—See Utah, District 4.

**Las Animas**—C. A. WHITNEY, Acting Forest Supervisor, La Veta (WU-G).

**Leadville**—THEODORE SHOEMAKER, Acting Forest Supervisor, Leadville (WU, P-WF, G); R. E. CLARK, Deputy Forest Supervisor; J. E. MARTIN, Forest Assistant.

**Medicine Bow**—H. N. WHEELER, Forest Supervisor, Fort Collins (WU-WF); H. B. HOLROYD, Deputy Forest Supervisor.

**Montezuma**—RESS PHILLIPS, Forest Supervisor, Mancos (WU-G); FRANK TOMP-KINS, Deputy Forest Supervisor.

**Pike**—C. M. GRANGER, Acting Forest Supervisor, Denver (WU, P-Ad, G, P, US, WF); W. I. HUTCHINSON, Forest Assistant; Monument Nursery—W. SCHRA-DER, Forest Planting Assistant; G. W. HENDRY, Forest Assistant, Monument.

**Rio Grande**—A. L. STROUP, Forest Supervisor, Monte Vista (WU-G); WALTER F. BOWERS, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.

**Routt**—J. H. RATLIFF, Forest Supervisor, Steamboat Springs (WU-Ad); P. J. PAX-TON, Forest Assistant.

**San Isabel**—J. N. LANGWORTHY, Forest Supervisor, Westcliffe (WU-G); M. B. WILLEY, Deputy Forest Supervisor.

**San Juan**—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G); A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.

**Sopris**—JOHN MCLAREN, Acting Forest Supervisor, Aspen (WU-WF, G); THOS. C. HATTON, Deputy Forest Supervisor; R. H. THOMPSON, Forest Assistant.

**Uncompahgre**—HENRY L. SPENCER, Forest Supervisor, Delta (WU-G); HOWARD S. BUSHNELL, Deputy Forest Supervisor; J. H. RAMSKILL, Forest Assistant.

**White River**—JAMES A. BLAIR, Forest Supervisor, Meeker (WU-WF, G); ELMER E. STEPHENSON, Deputy Forest Supervisor.

#### KANSAS

**Kansas**—B. R. H. d'ALLEMAND, Forest Supervisor, Garden City (WU, P-WF); Garden City Nursery—C. R. TAYLOR, Forest Planting Assistant.

#### NEBRASKA

**Nebraska**—W. H. MAST, Forest Supervisor, Halsey (WU-Ad); H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Nursery—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

#### SOUTH DAKOTA

**Black Hills**—PAUL D. KELLETER, Forest Supervisor, Deadwood (WU-Ad, Am); JOHN MURDOCH, Jr., and G. A. DUTHIE, Forest Assistants.

#### WYOMING

**Bighorn**—W. E. JACKSON, Forest Supervisor, Sheridan (WU-Ad); HERBERT GRAFF, Deputy Forest Supervisor.

**Bonneville**—FOSTER STEELE, Acting Forest Supervisor, Pinedale (WU-P); H. EARLE FRENCH, Deputy Forest Supervisor.

**Cheyenne**—P. S. LOVEJOY, Forest Supervisor, Laramie (WU, P-P); JOHN W. STEPHENS, Deputy Forest Supervisor; R. A. STRETCH, Forest Assistant.

**Hayden**—JAMES BLACKHALL, Forest Supervisor, Encampment (WU, P-P); ARTHUR M. COOK, Deputy Forest Supervisor.

**Shoshone**—H. W. THURSTON, Forest Supervisor, Cody (WU-Ad).

**Sundance**—LOUIS KNOWLES, Acting Forest Supervisor, Sundance (WU-Ad, Am).

## DISTRICT 3

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

**A. C. RINGLAND, District Forester.**

**E. H. CLAPP, Assistant District Forester.**

BLAKE FRANKLIN, District Law Officer.

R. F. FEAGANS, Assistant District Law Officer.

## OPERATION

**A. O. WAHA, Chief.**

**A. S. PECK, Assistant Chief.**

**Organization**, Chief and Assistant Chief of Operation.

**Accounts**, J. J. DUFFY, District Fiscal Agent.

**Maintenance**, W. B. BUNTON.

## SILVICULTURE

**T. S. WOOLSEY, Jr., Chief.**

**A. B. RECKNAGEL, Assistant Chief.**

**Timber Sales**, Chief and Assistant Chief of Silviculture.

## PROJECTS

## Arizona—

Preparation of working plan report for Coconino National Forest—J. H. ALLISON  
Flagstaff.

Preparation of working plan reports for Prescott and Sitgreaves National Forests—  
D. W. ADAMS, Hot Springs, Ark.

## Arkansas—

Reconnaissance of the Arkansas National Forest—D. W. ADAMS, in charge; assistants,  
C. J. HELLER, H. L. JOHNSON, R. P. A. JOHNSON, T. B. LONGWELL, and  
T. F. WELLS, Hot Springs.

## Florida—

Reconnaissance of the Choctawhatchee National Forest—A. B. RECKNAGEL, in  
charge; assistants, J. M. BRISCOE, P. D. EDMUNDS, R. G. MERRITT, and P. P. PITCH-  
LYNN, De Funiak Springs.

## New Mexico—

Check scaling and sale administration on the Gila National Forest—NELSON L.  
LE GRAND and A. A. WYNNE, Lumbermen, Silver City.

Revision of working plan for Manzano National Forest and collection of data for  
volume and growth study of woodland species—L. L. JANES, Albuquerque.

**Planting**, Chief and Assistant Chief of Silviculture.

Inspection of sowing and planting—R. L. ROGERS, Albuquerque, N. Mex.

**Silvics**, Coconino Forest Experiment Station—G. A. PEARSON, in charge; assistant,  
H. D. BURRALL, Flagstaff, Ariz.

## GRAZING

J. K. CAMPBELL, Chief.  
JOHN KERR, Assistant Chief.

## NATIONAL FORESTS

## ARIZONA

Apache—JOHN D. GUTHRIE, Forest Supervisor, Springerville (WU, P-WF); HARRY C. VILES, Deputy Forest Supervisor; ALDO LEOPOLD, Forest Assistant.

Chiricahua—A. H. ZACHAU, Forest Supervisor, Portal (WU, P-WF).

Coconino—FRANK C. W. POOLER, Forest Supervisor, Flagstaff (WU, P-WF); WIL-LARD M. DRAKE, Deputy Forest Supervisor; E. H. CRABB, Deputy Forest Supervisor; J. C. KIRCHER, Forest Assistant.

Coronado—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); ROBERT L. ROGERS, Deputy Forest Supervisor.

Crook—T. T. SWIFT, Forest Supervisor, Safford (WU-WF); H. L. JOHNSON, Forest Assistant.

Garces—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); ROBERT L. ROGERS, Deputy Forest Supervisor.

Prescott—C. H. HINDERER, Forest Supervisor, Prescott (WU-WF); J. C. McNELTY, Deputy Forest Supervisor.

Sitgreaves—A. J. MACKAY, Forest Supervisor, Snowflake (WU, P-WF).

Tonto—R. G. WILLSON, Forest Supervisor, Roosevelt (WU-WF); CHAS. H. JENNINGS, Deputy Forest Supervisor.

Zuni—See New Mexico.

## ARKANSAS

Arkansas—S. J. RECORD, Forest Supervisor, Mena (WU-WF); S. A. CHAPPELL, Deputy Forest Supervisor.

Ozark—FRANCIS KIEFER, Forest Supervisor, Harrison (WU-WF); RALPH C. HUEY, Deputy Forest Supervisor.

## FLORIDA

Choctawhatchee} I. F. ELDREDGE, Acting Forest Supervisor, De Funiak Springs;  
Ocala } W. F. HILL, Deputy Forest Supervisor.

## NEW MEXICO

Alamo—ARTHUR M. NEAL, Forest Supervisor, Alamogordo (WU, P-WF).

Carson—ROSS McMILLAN, Forest Supervisor, Antonito, Colo. (WU-G); FREDERICK R. STARR, Forest Assistant.

Chiricahua—See Arizona.

Datil—W. H. GODDARD, Forest Supervisor, Magdalena (WU, P-WF); R. F. BALTHIS, Deputy Forest Supervisor.

Gila—DOUGLAS RODMAN, Forest Supervisor, Silver City (WU-WF); DON P. JOHN-STON, Deputy Forest Supervisor; BARRINGTON MOORE, Forest Assistant; Fort Bayard Nursery—H. C. TURNER, Forest Planting Assistant.

**Jemez**—FRANK E. ANDREWS, Forest Supervisor, Santa Fe (WU, P-WF); B. M. THOMAS, Deputy Forest Supervisor.

**Lincoln**—J. A. KINNEY, Forest Supervisor, Capitan (WU, P-WF).

**Manzano**—W. R. MATTOON, Forest Supervisor, Albuquerque (WU, P-WF); JAMES F. MULLEN, Deputy Forest Supervisor.

**Pecos**—THOS. R. STEWART, Forest Supervisor, Santa Fe (WU, P-WF); HUGH G. CALKINS, Deputy Forest Supervisor. Las Gallinas Nursery—A. HEDRICKS, Forest Planting Assistant.

**Zuni**—A. D. READ, Forest Supervisor, Gallup (WU, P-WF); FREDERIC WINN, Deputy Forest Supervisor.

#### OKLAHOMA

**Wichita**—FRANK RUSH, Game Warden, in charge, Cache (WU-WF).

### DISTRICT 4

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and north-western Arizona.

Forest Service Building, Ogden, Utah.

**CLYDE LEAVITT**, District Forester.

**FRANKLIN W. REED**, Assistant District Forester.

**W. C. HENDERSON**, District Law Officer.

**T. C. HOYT**, Assistant District Law Officer.

### OPERATION

**R. P. IMES**, Chief.

**E. H. CLARKE**, Assistant Chief.

**A. T. MITCHELSON**, District Engineer.

**Organization**, Chief and Assistant Chief of Operation.

**Accounts**, **Q. R. CRAFT**, District Fiscal Agent.

**Maintenance**, **FELIX T. MOORE**.

### SILVICULTURE

**L. L. WHITE**, Chief.

**O. M. BUTLER**, Assistant Chief.

**Timber Sales**, Chief and Assistant Chief of Silviculture.

### PROJECTS

**Arizona**—

Reconnaissance of Kaibab National Forest, **D. M. LANG** (in charge); assistants, **L. CROWELL**, **NILS B. ECKBO**, **SIDNEY S. STEWART**, **REESE W. TAYLOR**, and **JOHN E. INGRAM**.

**Idaho—**

Preparation of map and reconnaissance report of timber on Sawtooth National Forest—C. P. WILBER, Ogden, Utah.

Check scaling, Salmon National Forest—JOHN K. KIDD, Scaler, Salmon.

Reconnaissance for Pocatello National Forest—A. L. BROWER, Pocatello.

Planting, J. M. FETHEROLF.  
Silvics, E. R. HODSON.

**GRAZING**

HOMER E. FENN, Chief.  
A. C. McCAIN, Assistant Chief.  
G. G. BENTZ, Assistant Chief.

**SUPPLY DEPOT**

A. M. SMITH, Property Clerk.

**PROPERTY AUDIT**

J. G. FALCK, Property Auditor.

**NATIONAL FORESTS****ARIZONA**

**Dixie**—See Utah.

**Kaibab**—JOHN H. CLARK, Forest Supervisor, Kanab, Utah (WU-WF); DANIEL K. JUDD, Deputy Forest Supervisor.

**IDAHO**

**Boise**—E. GRANDJEAN, Forest Supervisor, Boise (WU-P).

**Cache**—See Utah.

**Caribou**—N. E. SNELL, Forest Supervisor, Idaho Falls (WU-P); L. J. PHELAN, Deputy Forest Supervisor; JAMES H. JOHNSON, Grazing Assistant.

**Challis**—DAVID LAING, Forest Supervisor, Challis (WU-P); JOHN A. PEARSON, Deputy Forest Supervisor.

**Idaho**—HENRY A. BERGH, Forest Supervisor, McCall (WU-P).

**Lemhi**—C. I. HUDDLE, Forest Supervisor, Mackay (WU-P); JAMES L. PELTON, Deputy Forest Supervisor.

**Minidoka**—WM. MCCOY, Forest Supervisor, Oakley (WU-P); NILS B. ECKBO, Forest Agent.

**Payette**—GUY B. MAINS, Forest Supervisor, Emmett (WU-P); CARL B. ARENTSON, Deputy Forest Supervisor.

**Pocatello**—J. F. BRUINS, Acting Forest Supervisor, Pocatello (WU-P); A. L. BROWER, Forest Assistant; Pocatello Nursery—P. T. WRENSTED, Forest Ranger.

**Salmon**—JAMES M. RYAN, Forest Supervisor, Salmon (WU-P); F. T. MCLEAN, Forest Assistant.

**Sawtooth**—C. N. WOODS, Forest Supervisor, Hailey (WU-P); H. G. MCPHETERS, Deputy Forest Supervisor; FRANK J. RYDER and C. P. WILBER, Forest Assistants.

**Targhee**—DAVID BARNETT, Forest Supervisor, St. Anthony (WU-P); CHESTER B. MORSE, Forest Assistant.

**Targhee (Palisade)**—DAN S. PACK, Forest Supervisor, St. Anthony (WU-P); LUCAS W. HASTINGS, Grazing Assistant.

**Weiser**—J. B. LAFFERTY, Forest Supervisor, Weiser (WU-P); W. M. CAMPBELL, Deputy Forest Supervisor; A. E. OMAN, Forest Assistant.

#### NEVADA

**Humboldt**—C. SYDNEY TREMEWAN, Forest Supervisor, Elko (WU-WF); W. W. BLAKESLEE, Deputy Forest Supervisor.

**Moapa**—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas (WU-WF).

**Nevada**—R. F. MATHIAS, Forest Supervisor, Ely (WU-WF); CHAS. F. PATTERSON, Deputy Forest Supervisor; RUDOLPH DIEFFENBACH, Forest Assistant.

**Toiyabe**—M. S. BENEDICT, Forest Supervisor, Austin (WU, P-WF).

#### UTAH

**Ashley**—W. M. ANDERSON, Forest Supervisor, Vernal (WU-WF).

**Cache**—CLINTON G. SMITH, Forest Supervisor, Logan (WU-P); J. E. ROTHERY, Deputy Forest Supervisor.

**Dixie**—JAMES E. JEWELL, Forest Supervisor, St. George (WU-WF).

**Fillmore**—WM. HURST, Forest Supervisor, Beaver (WU-WF); GEORGE C. THOMPSON, Deputy Forest Supervisor; REESE W. TAYLOR, Forest Assistant.

**Fishlake**—CHARLES L. SMITH, Forest Supervisor, Salina (WU-WF); OLUF G. NIELSON, Deputy Forest Supervisor.

**La Sal**—JOHN RIIS, Forest Supervisor, Moab (WU-WF).

**Manti**—A. W. JENSEN, Forest Supervisor, Ephraim (WU-WF); ERNEST WINKLER, Deputy Forest Supervisor; LINCOLN CROWELL, Forest Assistant; PARLEY CHRISTIANSEN, Grazing Assistant.

**Minidoka**—See Idaho.

**Nebo**—H. F. STUDLEY, Acting Forest Supervisor, Nephi (WU-WF).

**Pocatello**—See Idaho.

**Powell**—GEO. H. BARNEY, Forest Supervisor, Escalante (WU-WF).

**Sevier**—O. C. SNOW, Forest Supervisor, Panguitch (WU-WF); FRANK W. SEAMAN, Deputy Forest Supervisor.

**Uinta**—W. I. PACK, Forest Supervisor, Provo (WU-WF); SIDNEY S. STEWART, Forest Assistant; W. JONES BOWEN, Grazing Assistant.

**Wasatch**—R. V. R. REYNOLDS, Forest Supervisor, Salt Lake City (WU, P-WF, P); WILLIAM M. MCGHIE, Deputy Forest Supervisor; Wasatch Nursery—N. J. FETHEROLF, Forest Planting Assistant.

#### WYOMING

**Ashley**—See Utah.

**Caribou**—See Idaho.

**Targhee**—See Idaho.

**Teton**—R. E. MILLER, Forest Supervisor, Jackson (WU-P).

**Wyoming**—JOHN RAPHAEL, Forest Supervisor, Afton (WU-P); H. E. WOOLLEY, Deputy Forest Supervisor; JOHN E. INGRAM, Forest Assistant; GLIDDEN J. BARSTOW, Grazing Assistant.

## DISTRICT 5

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

**F. E. OLMSTED**, District Forester.

**COERT DUBOIS**, Assistant District Forester.

**H. P. DECHANT**, Acting District Law Officer.

**G. E. TROWBRIDGE**, Assistant District Law Officer.

**L. A. BARRETT**, Chief of Claims.

### OPERATION

**ROY HEADLEY**, Chief.

**R. F. HAMMATT**, Assistant Chief.

**Organization**, Chief and Assistant Chief of Operation.

**Accounts**, CLARENCE WILEY, District Fiscal Agent.

**Maintenance**, JAMES B. JEFFRIES.

### SILVICULTURE

**G. M. HOMANS**, Chief.

**T. D. WOODBURY**, Assistant Chief.

**Timber Sales**, Chief and Assistant Chief of Silviculture.

### PROJECTS

Examination of timber trespass and of proposed sale areas in the Lassen National Forest—**C. H. ENSIGN**, Lumberman, Red Bluff, Cal.

Examination of proposed sale areas on the Plumas National Forest—**PATRICK KENNEDY** and **J. C. ELLIOTT**, Lumbermen, Quincy, Cal.

A study of eucalypts in the Hawaiian Islands in cooperation with the territorial Forester—**L. MARGOLIN**, Honolulu, Hawaii.

**Planting**, C. A. KUPFER.

### PROJECTS

Assisting supervisor in carrying out planting plans for the Cleveland National Forest—**N. O. TORSTENSON**, Planting Assistant, San Diego, Cal.

**Silvics**, Chief and Assistant Chief of Silviculture.

### GRAZING

**JOHN H. HATTON**, Chief.

**M. B. ELLIOTT**, Assistant Chief.

## PRODUCTS

C. S. SMITH, in Charge.

## PROJECTS

## Timber Tests—

Testing laboratory in cooperation with the University of California, Berkeley, Cal.—A. L. HEIM, in charge; assistant, G. R. GESSERT.

Tests on redwood in cooperation with the California Redwood Association.

## Wood Preservation—

Experiments to determine the best methods of seasoning *Eucalyptus globulus* poles, logs, and lumber, in cooperation with the estate of Adolph Sutro, the Pacific Land Investment Company, the Mount Tamalpais Cemetery Association, the Parkside Realty Company, and the Pioneer Wood Company; and *Eucalyptus viminalis* logs, in cooperation with the University of California—C. STOWELL SMITH, San Francisco, Cal.

Study of the conditions found in the mines of California, with a view to recommending cooperation in the preservative treatment of mine timbers—C. STOWELL SMITH, San Francisco, Cal.

Design of treating plant and seasoning yard for telephone poles for the Pacific Telephone and Telegraph Company—C. STOWELL SMITH, San Francisco, Cal.

Experiments to determine the relative resistance to marine wood borers of different species of untreated timber and of Douglas fir treated by various preservatives and coatings—A. K. ARMSTRONG, San Francisco, Cal.

## NATIONAL FORESTS

## CALIFORNIA

**Angeles**—R. H. CHARLTON, Forest Supervisor, Los Angeles (WU, P-WF); ERNEST B. LONG, Deputy Forest Supervisor; J. M. GRANT, Forest Expert, in charge of planting operations; SEROPE Y. PARNAy, Forest Planting Assistant, San Bernardino.

**California**—ERNEST BRITTEN, Forest Supervisor, Willows (P-WF); N. B. DREW, Deputy Forest Supervisor; ALLAN H. HODGSON, Forest Assistant.

**Cleveland**—H. A. E. MARSHALL, Forest Supervisor, San Diego (WU, P-WF); PERCY L. DAY, Deputy Forest Supervisor; GEO. W. PEAVY, Forest Assistant; F. L. RICKY, Planting Assistant.

**Inyo**—A. H. HOGUE, Forest Supervisor, Bishop (WU-WF); JOHN D. COFFMAN, Forest Assistant.

**Klamath**—R. L. FROMME, Forest Supervisor, Yreka (P-WF); FRANK W. HARLEY, Deputy Forest Supervisor; SHIRLEY W. ALLEN, Forest Assistant.

**Lassen**—L. A. H. KLING, Forest Supervisor, Red Bluff (P-WF); J. C. LA PLANT, Deputy Forest Supervisor; HENRY L. BOLDENWECK, Forest Agent.

**Modoc**—C. E. RACHFORD, Forest Supervisor, Alturas (P-WF); VERNON L. BONNER, Deputy Forest Supervisor; BELKNAP C. GOLDSMITH, Forest Assistant.

**Mono**—See Nevada.

**Monterey**—RAYMOND TYLER, Forest Supervisor Salinas (WU-WF).

**Plumas**—D. N. ROGERS, Forest Supervisor, Quincy (WU-WF); W. G. DURBIN, Deputy Forest Supervisor; J. R. HALL, Forest Assistant.

**Santa Barbara**—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara (P-WF); H. G. MERRILL, Deputy Forest Supervisor.

**Sequoia**—E. A. SHERMAN, Forest Supervisor, Hot Springs, Tulare County (WU via Porterville-WF); W. C. BURTON, Deputy Forest Supervisor.

**Shasta**—W. B. RIDER, Forest Supervisor, Sisson (P-WF); PHILIP T. HARRIS, Deputy Forest Supervisor.

**Sierra**—C. H. SHINN, Forest Supervisor, Northfork (WU via Fresno-WF); M. A. BENEDICT, Deputy Forest Supervisor; H. J. TOMPKINS, Forest Assistant.

**Stanislaus**—R. W. AYERS, Forest Supervisor, Sonora (WU-WF); J. V. WULFF, Forest Assistant.

**Tahoe**—R. L. P. BIGELOW, Forest Supervisor, Nevada City (WU-WF); M. B. PRATT, Deputy Forest Supervisor; J. ALFRED MITCHEL, Forest Assistant.

**Trinity**—F. H. HAFLEY, Forest Supervisor, Weaverville (WU-WF); W. A. HUESTIS, Deputy Forest Supervisor; ERNEST V. JOTTER, Forest Assistant.

#### NEVADA

**Inyo**—See California.

**Mono**—W. M. MAULE, Forest Supervisor, Gardnerville (WU-WF).

**Tahoe**—See California

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### DISTRICT 6

Washington, Oregon, and Alaska.

Office, Beck Building, Portland, Oreg.

**C. S. CHAPMAN**, District Forester.

**GEO. H. CECIL**, Assistant District Forester.

**C. R. PIERCE**, District Law Officer.

**W. F. STALEY**, Assistant District Law Officer.

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### OPERATION

**C. H. FLORY**, Chief.

**C. J. BUCK**, Assistant Chief.

**W. E. HERRING**, District Engineer.

**Organization**, Chief and Assistant Chief of Operation.

**Accounts**, A. H. COUSINS, District Fiscal Agent.

**Maintenance**, SHIRLEY BUCK.

## SILVICULTURE

F. E. AMES, Chief.

C. S. JUDD, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

### PROJECTS

#### Oregon—

Examination of proposed sale areas on the Crater National Forest—D. L. MCKAY, Scaler, Medford.

#### Washington—

Examination of proposed sale areas on the Olympic National Forest—J. P. HUGHES, Lumberman, Olympia.

Reconnaissance of the Olympic National Forest—MAX ROTHKUGEL, Forest Assistant, Olympia.

Planting, J. F. KÜMMEL.

Silvics, T. T. MUNGER.

## GRAZING

H. K. O'BRIEN, Chief.

T. P. MACKENZIE, Assistant Chief.

### PRODUCTS

J. B. KNAPP, in Charge.

### PROJECTS

#### Timber Tests—

Testing laboratory in cooperation with the University of Washington, Seattle, Wash.—O. P. M. Goss, in charge.

Tests of treated Douglas fir in cooperation with the Pacific Creosoting Company.

Tests of fire-killed Douglas fir in cooperation with the Clarke County Timber Company and the Eastern and Western Lumber Company.

#### Wood Preservation—

Investigation of the possibilities for the use of treated timber for improvement work on the National Forests in District 6—H. B. OAKLEAF, Portland, Oreg.

Investigation of the use of timber by the railroads and telegraph companies in the States of Oregon and Washington with a view to encouraging the use of a preservative treatment for such timber—J. B. KNAPP and H. B. OAKLEAF, Portland, Oreg.

#### Wood Utilization—

Study of the shingle industry in the State of Washington—J. B. KNAPP and JOHN F. SULLIVAN, Portland, Oreg.

Study of the box industry in the Pacific Northwest—JOHN F. SULLIVAN, Portland, Oreg.

Study of the market for and uses of forest products at Spokane, Wash.—JOHN F. SULLIVAN, Spokane, Wash.

**NATIONAL FORESTS**  
**ALASKA**

**Chugach**—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP); H. M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.  
**Tongass**—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP); H. M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

**CALIFORNIA**

**Crater**—See Oregon.

**Siskiyou**—See Oregon.

**OREGON**

**Cascade**—C. R. SEITZ, Forest Supervisor, Eugene (WU, P-WF); J. R. HARVEY, Deputy Forest Supervisor; E. B. STARR, Forest Assistant.

**Crater**—M. L. ERICKSON, Forest Supervisor, Medford (WU, P-WF); S. S. SWENNING, Deputy Forest Supervisor; H. D. FOSTER and B. T. HARVEY, Forest Assistants.

**Deschutes**—A. S. IRELAND, Forest Supervisor, Prineville (PT & T-WF, via Shaniko).

**Fremont**—GUY M. INGRAM, Forest Supervisor, Lakeview (WU via Klamath Falls-WF); G. D. BROWN, Deputy Forest Supervisor.

**Malheur**—CY. J. BINGHAM, Forest Supervisor, John Day (WU via Baker City-WF via Baker City).

**Oregon**—T. H. SHERRARD, Forest Supervisor, Portland (WU, P-WF, N, P); RALPH S. SHELLEY, Deputy Forest Supervisor; W. B. OSBORNE, Forest Assistant.

**Siskiyou**—M. J. ANDERSON, Forest Supervisor, Grants Pass (WU, P-WF); N. F. McDUFF, Deputy Forest Supervisor; H. HAEFNER, Forest Assistant.

**Siuslaw**—A. E. COHOON, Forest Supervisor, Eugene (WU, P-WF); DAVID E. FITTON, Deputy Forest Supervisor.

**Umatilla**—THOS. E. CHIDSEY, Forest Supervisor, Heppner (WU-P).

**Umpqua**—S. C. BARTRUM, Forest Supervisor, Roseburg (WU, P-WF); H. M. HALE, Deputy Forest Supervisor; E. H. McDANIELS, Forest Assistant.

**Wallowa**—H. W. HARRIS, Forest Supervisor, Wallowa (WU-P); S. A. BROWN, Deputy Forest Supervisor; CHAS. BLACK, Grazing Assistant; E. O. SIECKE, Forest Assistant.

**Wenaha**—See Washington.

**Whitman**—HENRY IRELAND, Forest Supervisor, Sumpter (WU via Baker City-WF via Baker City); M. L. MERRITT, Forest Assistant.

**WASHINGTON**

**Chelan**—G. W. MILHAM, Forest Supervisor, Chelan (PT & T-GN via Wenatchee); D. S. RICE, Deputy Forest Supervisor; D. B. REYNOLDS, Forest Assistant.

**Columbia**—HOMER ROSS, Acting Forest Supervisor, Portland, Oreg. (WU, P-WF N, P); A. R. WILCOX, Forest Assistant.

**Colville**—C. C. REID, Acting Forest Supervisor, Republic (WU, P-GN); F. W. CLEATOR, Deputy Forest Supervisor.

**Olympic**—R. E. BENEDICT, Forest Supervisor, Olympia (WU-GN, N); E. E. FISHEL, Deputy Forest Supervisor; MAX ROTHKUGEL, Forest Assistant.

**Rainier**—G. F. ALLEN, Forest Supervisor, Orting (WU-N); H. L. HURD, Deputy Forest Supervisor; E. J. FENBY, Forest Assistant.

**Snoqualmie**—B. P. KIRKLAND, Forest Supervisor, Seattle (WU, P-N, GN, WF); E. T. CLARK, Forest Assistant.

**Washington**—C. H. PARK, Forest Supervisor, Bellingham (WU, P-GN, N); A. A. PARKER, Deputy Forest Supervisor; F. H. BRUNDAGE, Forest Assistant.

**Wenaha**—J. M. SCHMITZ, Forest Supervisor, Walla Walla (WU-N, P).

**Wenatchee**—A. H. SYLVESTER, Forest Supervisor, Leavenworth (WU-GN); S. A. BLAKENSHIP, Deputy Forest Supervisor; C. P. WILLIS, Forest Assistant.

## SERVICE CHANGES IN JANUARY

## APPOINTED

## Forester—

HENRY S. GRAVES, Forester.

## Silviculture—

SILVICS: GEORGE N. LAMB, Expert.

## PROMOTED

## Forester—

ALBERT F. POTTER, Associate Forester.

## Silviculture—

STATE AND PRIVATE COOPERATION: J. HAROLD FOSTER, Assistant Chief of State and Private Cooperation.

SILVICS: SAMUEL T. DANA, Assistant Chief of Silvics.

## RESTORED TO THE ROLLS

## Silviculture —

SILVICS: FRANK J. PHILLIPS, Forest Assistant.

## CHANGE IN DESIGNATION

## District 4—

ORGANIZATION: JAMES M. RYAN, Deputy Forest Supervisor, Salmon National Forest to Forest Supervisor on the same Forest; ROYAL F. MATHIAS, Deputy Forest Supervisor, Nevada National Forest, to Forest Supervisor on the same Forest.

## District 5—

ORGANIZATION: D. N. ROGERS, Deputy Forest Supervisor, Stanislaus National Forest, to Supervisor, Plumas National Forest; L. A. BARRETT, Supervisor, Plumas National Forest, to Chief of Claims, District Office.

## RESIGNED

## District 4—

DENNIS C. A. GALARNEAU, Forest Assistant.

With deep regret announcement is made of the death, on December 26, 1909, at Denver, Colo., of Carl W. Gleason, Land Examiner in District 2.

With deep regret announcement is made of the death, on January 4, 1910, at Denver, Colo., of William R. McKinnon, Lumberman in District 2.

# SERVICE NOTES FOR FEBRUARY

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

## OFFICE OF THE FORESTER

### LAW

#### Law Correspondence with the Interior Department—

The Service Notes for January, page 219, paragraph 3, are supplemented as follows: (a) Letters transmitting favorable reports upon claims shall be prepared in the office of the District Forester, with three carbons for filing in the office of the Forester, the District Forester, and the Supervisor. (b) The original Forest officer's report shall be forwarded with the letter of transmittal. No copies of the report are to be filed with the office of the District Forester or the office of the Forester. This report will be returned to the District Forester, who in turn shall return it to the files of the supervisor. (c) A card shall be made in the office of the District Forester for every favorable report transmitted, showing the date received, the date sent to the Forester, and the final action by the Land Department. (d) All letters of transmittal to the Secretary of the Interior shall have no caption, except on the carbons, but shall recite the name of the Forest, the name of the claimant, the location of the claim by legal subdivision, the local land office, and the serial and entry numbers. The letter shall also contain a request that the Department of Agriculture be informed of any action taken upon the case. All information received will be acted upon according to existing practice.

#### Commissioner's Requests for Reports: Transmittal—

In submitting claims reports to the District offices, supervisors are cautioned to bear in mind the amendment on page 26 of the July Field Program, under the head of "Claims, Reports-Identification." This requirement does not abrogate the procedure calling for transmittal to the District Offices of the letter from the Commissioner, or the copy of Notice of Intention to Submit Final Proof, which was the occasion for making the report. It is often impossible to take proper action until the District Law Officer is in possession of the letter which called for the report.

#### Conviction in Criminal Case—

On January 7, R. W. Stuart, formerly Supervisor of the Jefferson National Forest, plead guilty in the District Court for the District of Montana to an indictment charging him with the embezzlement of funds received by him under color of his official position.

**Conviction under Act of May 5, 1900—**

On December 15, L. R. Webb was convicted in the United States Court for the Northern District of California for willfully setting fire within the Klamath National Forest. This is the first instance of a conviction under the first section of the Act of May 5, 1900 (30 Stat., 169), after jury trial.

**Saloon Trespass Settled—**

The saloon trespass of Revello, on the Preseott National Forest, has been satisfactorily settled by the removal of the saloon by Revello on the last day of December, 1909. It is very probable in the criminal case against Revello that the defendant will plead guilty.

**Entry of Verdict "Not Guilty" Ordered—**

John W. Buneh, indicted for unlawfully cutting timber on his homestead in the Ozark National Forest, entered a plea of guilty on December 15 before the United States District Court. His plea was stricken out by the court and directions given that a verdict of "Not Guilty" be entered.

**Fined for Timber Trespass—**

Joseph Whiteside plead guilty on December 15 before the United States District Court and was fined \$100 and sentenced to thirty days in jail for illegally cutting timber on the Ozark National Forest.

**Fined for Grazing Trespass—**

Ecipe Sanchez, previously indicted for grazing trespass committed upon the Lincoln National Forest, was fined \$250 and costs.

**Fire Trespass: Indictment Returned—**

On December 20 the Grand Jury in the United States Court for the Southern District of California returned an indictment against Henry Clay for setting fires within the Cleveland National Forest.

**PUBLICATION****Distribution of New Publications to Forest Rangers—**

It is earnestly desired to afford the rangers all possible opportunity to use Forest Service publications. In the past all publications issued have been mailed directly to rangers. Since, however, some of the publications are along lines which are of little immediate interest to most rangers, in future such publications will be mailed only when asked for. Requests may be sent by rangers directly to the District Forester. All new publications are listed in the Field Program as they appear, and rangers should watch this list and ask for anything which they may wish and do not receive.

Since it is desired to give rangers an opportunity to be informed concerning Forest Service work along all lines, a liberal distribution of new publications will continue to be made. Rangers located at permanent rangers' headquarters should see that publications are preserved as Government property, whether they are personally interested in the publications or not. Instructions for maintaining files of Forest Service publications at rangers' headquarters will be issued by letters from the Forester to the District Foresters.

## OPERATION

### **Special-Use Permits to Applicants under Act of June 11, 1906—**

On November 14, 1908, the Acting Secretary of the Interior informed the Secretary of Agriculture that an entryman under the Act of June 11, 1906, could be given credit, when making final proof, for the actual residence maintained by him on the land under special-use permit prior to his entry. By letter of January 12, 1910, to the Secretary of Agriculture, the Secretary of the Interior says he believes the opinion expressed in the letter of November 14, 1908, was erroneous, and that he can not consider as residence, within the meaning of the homestead law, occupancy of lands by persons under special-use permits prior to the opening of the lands to settlement in the manner described in the Act of June 11, 1906. Supervisors may continue to issue special-use permits in cases of this character, but the clause stating that credit for residence under the permit will be allowed by the Department of the Interior should be omitted.

### **Settlement: Listing Lands within Limits of Railroad Grant—**

By letter of January 21, 1910, to the Secretary of Agriculture, the First Assistant Secretary of the Interior decided that he could not open to entry under the Act of June 11, 1906, an unsurveyed tract of land located within the primary limits of the grant to the Northern Pacific Railway Company. It was alleged that the land when surveyed would be within an odd section.

### **The Targhee National Forest Divided—**

The increase in the business of the Targhee National Forest has necessitated the division of this Forest and the establishment of a new administrative unit, to be called the "Palisade division of the Targhee." Dan S. Pack, formerly supervisor of the Nebo Forest, has been placed in charge of the new unit, with headquarters at St. Anthony, Idaho. Supervisor David Barnett remains in charge of the northern portion of the Targhee. The northern division will continue to be known as the "Targhee National Forest."

### **Designations on Circular Letters—**

In mimeographed or manifolded circular letters from the District offices to supervisors it is not practicable to give the names of individual Forests in the subject designations, and in such designations the word "District" is used. It should be understood that when a letter bearing a designation of this kind is received by a supervisor it immediately becomes a Forest letter, and in the reply the name of the Forest should be substituted in the designation for the word "District;" e. g., the reply to a circular letter designated "G, District, Studies, Range Improvement," should be designated "G, Pike, Studies, Range Improvement."

### **Recommendations Affecting Change of Status—**

A number of recommendations affecting change of status have recently reached Washington from the Districts long after the action recommended became effective. Such delays subject the Service to just criticism, and are wholly unnecessary. In every case the recommendation must leave the office in which it originates not later than the date on which the change actually takes place, and as far as possible in advance.

of that date, and where that is not possible, an explanation of the delay must accompany the recommendation.

#### **Repairs to Damaged Instruments—**

Instruments of which replaceable parts become broken should not be condemned and destroyed, but requisition should be made upon the Property Clerk for new parts, which will be classed as expendable. Calipers, for instance, are easily damaged in use by the graduated bar being broken. When this occurs a new bar should be obtained by requisition and the instrument repaired. When the instrument is broken beyond repair, it should be disposed of as prescribed in Service Order 27 under "Sec. 150. Unserviceable Property."

#### **Property Accountability—**

Forest officers who are charged with Government property must take care to safeguard it from loss or theft, and relief from responsibility will not be given when property is found to be missing from any cause, unless it is shown that due precautions against loss were taken. When tools or equipment are to be left in unoccupied cabins for a time, a Forest Service padlock should be placed on at least one of the doors of the cabin and all other openings securely fastened from the inside to afford reasonable provision against theft.

No property should be received for by any member of the Service until after it has been properly checked. The fact that the checking was not done will not be accepted as a satisfactory reason for granting relief for shortages found to exist after a subsequent check.

#### **Memorandum Bills of Lading—**

Service Order No. 30 in the Field Program for July directed that beginning July 1, 1909, memorandum bills of lading, Form M, covering freight and express shipments be forwarded to Washington through the District Fiscal Agent. Most of these forms are being forwarded as prescribed, but a number of bills of lading have been received for which no Form M is on file. This causes delay in the settlement of freight accounts, since railroad companies usually submit several bills on one voucher, and the lack of one memorandum bill may cause delay in the settlement of a large account.

In some cases dealers making freight shipments for Forest officers decline to surrender the memorandum bills of lading. It is believed that if such dealers understand clearly that these forms are a necessary Forest Service record, and are essential to the payment of the transportation charges, they will either make an extra carbon or use their own commercial forms in getting the transportation company's receipt for the property. The Property Clerk at Ogden has therefore been instructed to stamp all Forms M issued in the future as follows:

"Forest Service record. This memorandum bill is to be forwarded to the District Fiscal Agent after entry of charges."

Until the stamped forms are received members of the Service, whenever they supply a dealer with a bill of lading for a freight shipment, should write the above instructions across the face of the memorandum bill.

## SILVICULTURE

### **Payments in Connection with Timber Sales—**

When bonds are given in connection with timber sales, the sums named in the bond, if forfeited to the United States on account of noncompliance with the terms of the contract, are covered directly into the general Treasury and can not be applied to the cost of cleaning up the cutting areas, or as stumpage, against timber cut in advance of payment. For this reason it is imperative that all Forest officers in charge of timber sales should be certain, at all times, that the sums deposited in connection with the sales do actually cover the value of timber cut, whether sealed or not. In case a purchaser will not be able to meet a payment soon coming due, the work must be stopped at once when the right to cut under the last payment expires, or a modification of contract must be applied for long enough in advance to allow the preparation and execution of the necessary papers. No postponement of the payment can be considered, unless the circumstances are very unusual, and all applications for a modification of contract involving postponement of payment must be referred to the District Forester, together with a very full statement of the circumstances and the condition of the sale area.

## PRODUCTS

### **Telegraphic Addresses at the Chicago Office—**

Telegrams for members of the Office of Wood Utilization at Chicago should be addressed "Forest Service, Fisher Building, Chicago, Ill." Telegrams for other members of the Service, or other individuals known to be at the Chicago office, should contain, in addition, the surname, for example, "Jones, Forest Service, Fisher Building, Chicago, Ill."

## SERVICE PUBLICATIONS ISSUED IN JANUARY

Circular 176. Surface Conditions and Stream Flow.

Report of the Forester for 1909.

The Use Book (Grazing Section, Revised).

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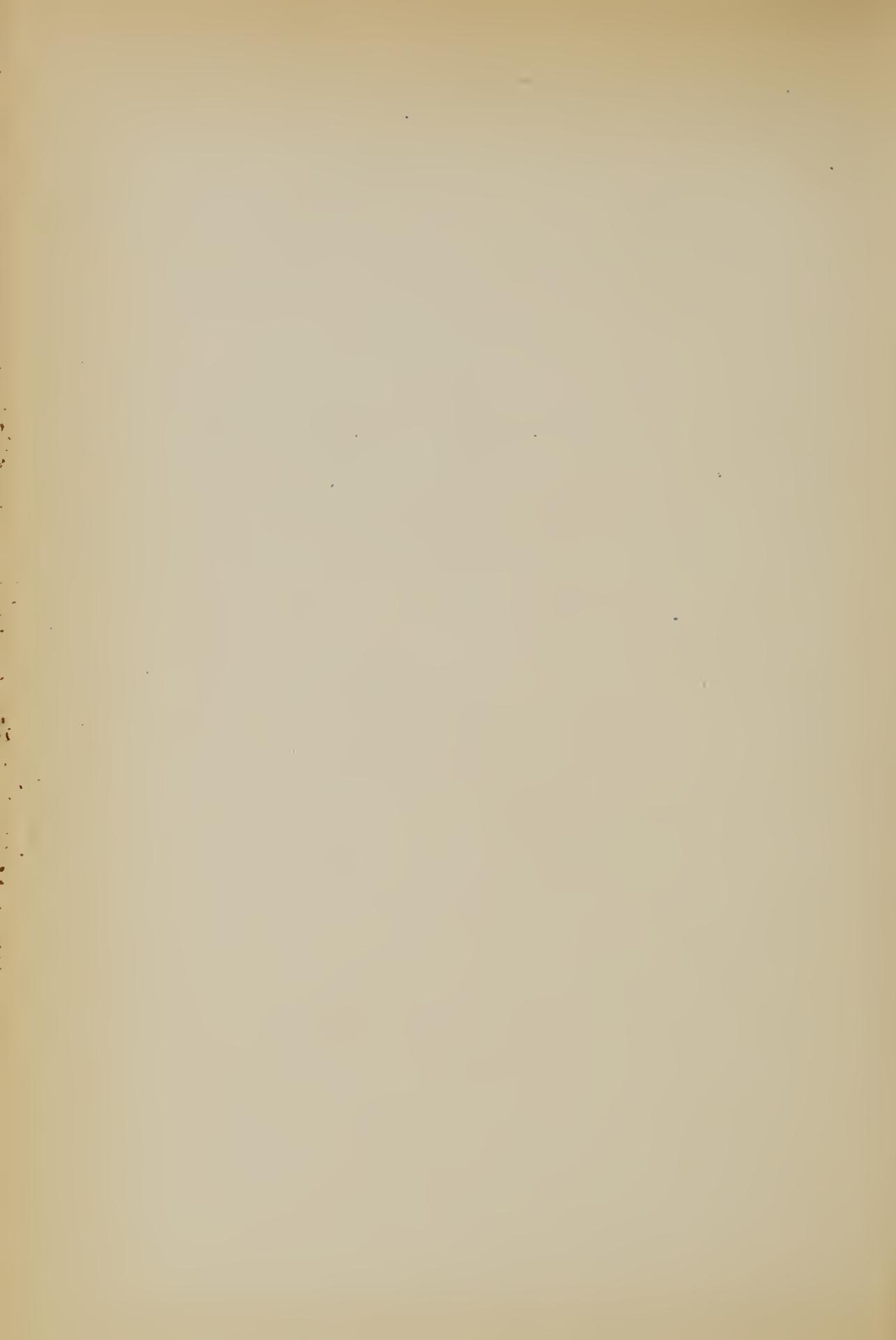
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 Telegraphing, economy in; January (220).  
 Timber cut and sold, submitting report on; December (187).  
 sale reports; January (222).  
 sales, advertisements of; January (221).  
 sales, supervisors' advertised, delegation of authority in; August (61).  
 use of Form 949; September (93).  
 settlements, report of; September (93).  
 trespass, filling out Form 653; July (27).

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UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

HENRY S. GRAVES, Forester

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# March Field Program 1910

This program of field work and assignments in the Forest Service is issued on the first day of each month and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.



# FIELD PROGRAM FOR MARCH, 1910

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## OFFICE OF THE FORESTER

**HENRY S. GRAVES**, Forester.

**ALBERT F. POTTER**, Associate Forester.

**HARRY L. HILL**, Secretary to the Forester.

**HERBERT A. SMITH**, Editor.

**FINDLEY BURNS**, in charge of Publication.

**GEORGE B. SUDWORTH**, Dendrologist.

**R. S. KELLOGG**, Assistant Forester, engaged upon Forest Statistics.

**EUGENE S. BRUCE**, Expert Lumberman.

**D. D. BRONSON**, General Inspector.

**E. M. GRIFFITH**, Special Inspector, Madison, Wis.

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## ATTACHED TO OFFICE OF THE SOLICITOR

Department of Agriculture.

**ROBERT W. WILLIAMS**, Jr., Law Officer.

**THOMAS G. SHEARMAN**, First Assistant Law Officer.

**PATRICK D. CRONIN**, Assistant Law Officer.

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## OPERATION

**JAMES B. ADAMS**, Assistant Forester, in Charge.

**GEORGE G. ANDERSON**, Assistant in Office Methods.

## RECORDS

**H. B. CRAMER**, Chief.

## ACCOUNTS

**M. E. FAGAN**, Fiscal Agent.

**E. A. MELZAR**, District Fiscal Agent.

**GEOGRAPHY**

FRED G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.

Alienation, J. B. SATTERLEE.

Drafting, C. A. KOLB.

Photography, A. G. VARELA.

**MAINTENANCE**

GEORGE A. BENTLEY, Chief.

**SILVICULTURE**

WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

**STATE AND PRIVATE COOPERATION**

J. G. PETERS, Chief.

J. H. FOSTER, Assistant Chief (in the Field).

**PROJECTS****Alabama—**

Preparation of a working-plan report for the Tennessee Coal, Iron and Railroad Company—E. D. CLARK, Washington, D. C.

**Eastern States—**

Preliminary examinations of forest land, in cooperation with private owners—G. T. BACKUS, W. M. MOORE, W. H. VON BAYER, and A. W. WILLIAMSON, Washington, D. C.

**Illinois—**

Study of forest conditions, in cooperation with the State Laboratory of Natural History—R. C. HALL and O. D. INGALL, Urbana.

**Louisiana—**

Preliminary examination of forest conditions, in cooperation with the State—J. H. FOSTER, Baton Rouge.

**North Carolina—**

Preparation of a report on forest conditions, in cooperation with North Carolina Geological and Economic Survey—J. S. HOLMES, Chapel Hill.

**Virginia—**

Preliminary examination of forest conditions, in cooperation with the State, and examination of forest land, in cooperation with private owners—W. W. ASHE, Richmond.

## SILVICS

RAPHAEL ZON, Chief.  
S. T. DANA, Assistant Chief.

### PROJECTS

#### General—

Seed testing and seed storage—N. H. GRUBB, Washington, D. C.

Basket willow study—G. N. LAMB, Washington, D. C.

Comparative study of silvical characteristics of North American species—C. R. TILLOTSON, Washington, D. C.

Compilation of silvical leaflets on western hardwoods, and potential range of foreign species of value to the United States—Miss M. C. GANNETT, Washington, D. C.

#### Florida—

Study of eucalypts and native hardwoods—R. ZON, Washington, D. C.

#### Northeastern States—

Study of northern hardwoods—E. H. FROTHINGHAM, Washington, D. C.

Forest Measurements, W. B. BARROWS.

Library, Miss H. E. STOCKBRIDGE.

## GRAZING

A. F. POTTER, Associate Forester, in Charge.

L. F. KNEIPP, Assistant Forester.

WILL C. BARNES, Inspector of Grazing (in the Field).

### PROJECTS

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; preparation of report on experimental pasture project, JAMES T. JARDINE, Deputy Forest Supervisor, Washington, D. C.; preparation of report on forage plant investigations, ARTHUR T. SAMPSON, Plant Ecologist, Washington, D. C. (detailed to Bureau of Plant Industry under instructions of F. V. COVILLE, Botanist).

Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.

## LANDS

C. R. PIERCE, in Charge.

M. J. McVEAN, Inspector of Lands (in the Field).

## OCCUPANCY

W. W. DYAR, in Charge.

**CLAIMS**

J. I. PARKER, in Charge.

**Projects**

Revision of Bulletin 57 and supplements—C. R. PIERCE and J. S. PEYTON, Washington, D. C.

Comprehensive study of State forest taxation—FRED. R. FAIRCHILD, New Haven, Conn.

**PRODUCTS**

**WM. L. HALL**, Assistant Forester, in Charge.

Accounts, W. R. FUCHS, District Fiscal Agent, Madison, Wis.

Purchase, W. H. KEMPFER, Madison, Wis.

**LABORATORY**

In cooperation with the University of Wisconsin.

McGARVEY CLINE, Director, Madison, Wis.

**WOOD PRESERVATION**

HOWARD F. WEISS, in Charge, Madison, Wis.

EDWARD H. FORD, Assistant, Madison, Wis.

**Projects**

Installation and operation of an experimental tie-treating plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—C. P. WINSLOW; assistant, E. W. PETERS, Birmingham, Ala.

Design and construction of apparatus for the prevention of sap stain and for a wood-preserving plant, in cooperation with the Great Southern Lumber Company—C. T. BARNUM, Madison, Wis.

Installation of wood-preserving apparatus, Forest Products Laboratory—F. M. BOND; assistant, C. H. TEESDALE, Madison, Wis.

**TIMBER TESTS**

ROLF THELEN, in Charge, Madison, Wis.

**Projects**

Installation of machinery and apparatus in the Forest Products Laboratory—ROLF THELEN, JAS. A. NEWLIN, CORNELIUS BARRY, FRANK BLAINE, and THOMAS LYONS.

Preparation of report on Douglas fir—McGARVEY CLINE and H. E. MCKENZIE.

Drafting of plans for arrangement of machinery and apparatus—J. O. BIXBY.

## WOOD CHEMISTRY

H. S. BRISTOL, in Charge, Madison, Wis.  
H. E. SURFACE, Assistant, Madison, Wis.

### Projects

Experiments with various woods for paper pulp—E. SUTERMEISTER, at Madison, Wis.

The refining and grading of wood turpentine and the methods of turpentine analysis—L. F. HAWLEY and E. BATEMAN, both at Madison, Wis.

Installation of wood-pulp, chemical, and wood-distillation laboratories—H. E. SURFACE.

## WOOD TECHNOLOGY

H. D. TIEMANN, in Charge, Washington, D. C.

### Projects

Design of apparatus for drying and humidifying wood—H. D. TIEMANN.

Micrological studies of American woods—W. D. BRUSH.

Determination of the effect of different processes of drying upon the properties of wood—H. D. TIEMANN.

## MAINTENANCE

W. H. KEMPFER, in Charge, Madison, Wis.

## WOOD UTILIZATION

H. S. SACKETT, in Charge, Fisher Building, Chicago, Ill.

### PROJECTS

Study of the wood-using industries of North Carolina, in cooperation with the North Carolina Geological and Economic Survey—R. E. SIMMONS, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Kentucky, in cooperation with the State Board of Agriculture, Forestry, and Immigration—R. E. SIMMONS, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Illinois—R. E. SIMMONS, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Wisconsin, in cooperation with the State Board of Forestry—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

Collection of wholesale lumber prices in the markets—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

Collection of wholesale lumber prices f. o. b. mills—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

Preparation of a market report for Chicago, Ill.—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Maryland, in cooperation with the State Board of Forestry—H. U. MAXWELL, Washington, D. C.

Study of woods which may be used as substitutes for the southern junipers in the manufacture of lead pencils—H. S. SACKETT, Fisher Building, Chicago, Ill.

Collection of statistics covering the kind and quantity of preservatives used in the United States during 1909; their sources and the classes of material on which they were used—H. S. SACKETT, Fisher Building, Chicago, Ill.

Study of the woods which may be used in the manufacture of bobbins and shuttles—H. S. SACKETT, Fisher Building, Chicago, Ill.

Preparation of reports upon the uses of the principal commercial woods—H. U. MAXWELL, Washington, D. C.; W. L. HALL, Washington, D. C.

Study of the methods of hickory manufacture and utilization—C. F. HATCH, Fisher Building, Chicago, Ill.

Study of the mine-roller industry in the United States—C. F. HATCH, Fisher Building, Chicago, Ill.

Study of methods of utilization of short lengths of cypress—R. E. SIMMONS, Fisher Building, Chicago, Ill.

# DISTRICTS

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## DISTRICT 1

Montana, northeastern Washington, northern Idaho, northwestern South Dakota, northern Michigan, northern Minnesota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

**W. B. GREELEY**, District Forester.

**F. A. SILCOX**, Associate District Forester.

**W. M. AIKEN**, District Law Officer.

**E. B. QUIGGLE**, Assistant District Law Officer.

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## OPERATION

**R. H. RUTLEDGE**, Assistant District Forester.

**J. P. MARTIN**, Assistant District Forester.

**E. W. KRAMER**, District Engineer.

**Accounts**, **H. I. LOVING**, District Fiscal Agent.

**Maintenance**, **R. J. MOORE**.

## SILVICULTURE

**R. Y. STUART**, Assistant District Forester.

**D. T. MASON**, Assistant District Forester.

**Timber Sales**, Assistant District Foresters in Silviculture.

## PROJECTS

### **Idaho—**

Timber-sale work, Kaniksu National Forest—**G. L. COTT**, Lumberman, Newport, Wash.

Timber-sale work, Coeur d'Alene National Forest—**C. H. GREGORY**, Lumberman, Wallace.

**Montana—**

Examination of timber, Deerlodge National Forest—J. S. BAIRD, Lumberman, Anaconda; assistants, A. A. SAUNDERS, J. L. COBBS, R. T. FERGUSON, H. EDWARDS, FRANK THOMPKINS, and R. W. MCKNIGHT.

Northern Pacific estimates—KARL W. WOODWARD, Missoula, Mont.; F. A. GAYLORD, Sandpoint, Idaho; C. JONES, Newport, Wash., and F. B. BRUNYATE, Wallace, Idaho.

**South Dakota—**

Examination of timber, Sioux National Forest—H. E. FEGLEY, R. P. PRITCHARD, and L. C. STOCKDALE, Camp Crook.

**Planting**, E. C. CLIFFORD.

**Silvics**, Assistant District Foresters in Silviculture.

**Cooperation**, Bureau of Entomology.

**PROJECT**

Location of insect-infested timber and determination of methods of local control—JOSEF BRUNNER, Field Agent, Bureau of Entomology, Columbia Falls, Mont.

**GRAZING**

C. H. ADAMS, Assistant District Forester.

W. S. PERRINE, Assistant District Forester.

**PRODUCTS****PROJECTS****Wood Preservation—**

Construction and experimental operation of a wood-preserving plant for treating fence posts and other ranch timbers, in cooperation with the Bitter Root Stock Farm—P. R. HICKS, Missoula, Mont.

Construction and experimental operation of a wood-preserving plant for treating ties, mine timbers, and telephone poles, in cooperation with the Anaconda Copper Mining Company—P. R. HICKS, Missoula, Mont.

**NATIONAL FORESTS****IDAHO**

**Beaverhead**—See Montana.

**Clearwater**—F. A. FENN, Forest Supervisor, Kooskia (WU-N); EDW. C. THENON, Deputy Forest Supervisor.

**Coeur d'Alene**—W. G. WEIGLE, Forest Supervisor, Wallace (WU-N); W. W. MORRIS, Forest Assistant.

**Kaniksu**—See Washington.

**Nezperce**—GEO. V. RING, Forest Supervisor, Grangeville (WU-P); J. ARTHUR BROWN, Deputy Forest Supervisor.

**Pend Oreille**—J. E. BARTON, Forest Supervisor, Sandpoint (WU-N, W); EDW. G. STAHL, Deputy Forest Supervisor.

## MICHIGAN

Michigan }—S. M. HIGGINS, Acting Forest Supervisor, Au Sable (WU-Am).  
 Marquette }—

## MINNESOTA

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake (WU-Am, GN); J. ST. J. BENEDICT, Forest Assistant.

Superior—SCOTT LEAVITT, Acting Forest Supervisor, Ely (WU-GN); JAMES A. HOWARTH, Jr., Forest Assistant.

## MONTANA

Absaroka—V. GIFFORD LANTRY, Forest Supervisor, Livingston (WU-Am, N); ELMER R. BRUNKE, Deputy Forest Supervisor.

Beartooth—J. F. PRESTON, Acting Forest Supervisor, Red Lodge (WU-Am, N).

Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon (WU-P).

Bitterroot—W. W. WHITE, Forest Supervisor, Missoula (WU-Am, N); M. N. STICKNEY, Deputy Forest Supervisor.

Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell (WU-Am, GN); R. P. McLAUGHLIN, Deputy Forest Supervisor; C. N. WHITNEY, Forest Assistant.

Cabinet—RALPH H. BUSHNELL, Forest Supervisor, Thompson Falls (WU-Am, N).

Custer—GLEN A. SMITH, Forest Supervisor, Ashland (WU via Crow Agency-Am, N via Forsyth).

Deerlodge—C. C. HALL, Forest Supervisor, Anaconda (P-N); HARRY C. SCHICK Deputy Forest Supervisor; F. S. PATTON, Forest Assistant.

Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell (WU-Am, GN); JOHN H. CLACK, Deputy Forest Supervisor.

Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman (WU-Am, N); W. B. PIPER, Forest Examiner.

Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena (WU-Am, N); J. D. WARNER, Deputy Forest Supervisor; G. B. McDONALD, Forest Assistant.

Jefferson—J. B. SEELY, Forest Supervisor, Great Falls (WU-Am, N); WELLMAN HOLBROOK, Deputy Forest Supervisor; HENRY H. FARQUHAR, Forest Assistant.

Kootenai—DORR SKEELS, Forest Supervisor, Libby (WU-Am, GN); RUTLEDGE PARKER, Deputy Forest Supervisor.

Lewis and Clark—W. H. DAUGS, Forest Supervisor, Chouteau (WU via Collins-Am, GN via Collins).

Lolo—ELERS KOCH, Forest Supervisor, Missoula (WU, P-Am, N); THOS. C. SPAULDING, Deputy Forest Supervisor.

Madison—CLIFTON W. HUDSON, Forest Supervisor, Sheridan (WU-Am, N); E. D. FLETCHER, Forest Expert.

Missoula—D. G. KINNEY, Forest Supervisor, Missoula (WU, P-Am, N); RUSSELL G. POND, Deputy Forest Supervisor.

Sioux—See South Dakota.

## NORTH DAKOTA

Dakota—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (WU via Belle-fourche-Am via Bellefourche); H. E. FEGLEY, Forest Assistant.

## SOUTH DAKOTA

**Sioux**—C. A. BALLINGER, Forest Supervisor, Camp Crook (WU via Bellefourche-Am via Bellefourche); H. E. FEGLEY, Forest Assistant.

## WASHINGTON

**Kaniksu**—W. N. MILLAR, Forest Supervisor, Newport (WU-Am, GN); Wm. C. LATANE, Forest Assistant.

## DISTRICT 2

Colorado, Wyoming, South Dakota, Nebraska, and western Kansas.

Office, Majestic Building, Denver, Colo.

**SMITH RILEY**, District Forester.

**P. G. REDINGTON**, Associate District Forester.

J. F. LAWSON, Acting District Law Officer.

## OPERATION

FRED W. MORRELL, Assistant District Forester.

C. J. STAHL, Assistant District Forester.

NILE HUGHEL, District Engineer.

**Accounts**, JOHN A. URBANOWICZ, District Fiscal Agent.

**Maintenance**, F. B. AGEE.

## SILVICULTURE

A. K. CHITTENDEN, Assistant District Forester.

S. L. MOORE, Assistant District Forester.

**Timber Sales**, Assistant District Foresters in Silviculture.

## PROJECT

**Colorado**—

Reconnaissance work on the San Isabel National Forest—JONN E. ELLIOTT, Westcliffe.

**Planting**, L. C. MILLER.

**Silvics**, C. G. BATES.

**PROJECTS****Colorado—**

Fremont Experiment Station, meteorological, planting, and other experiments—  
WILLIAM D. HAYES, in charge, L. C. CHAPMAN, assistant, Manitou.

**Wyoming—**

Preparation of preliminary report on lodgepole pine cutting system, with volume tables for Cheyenne National Forest—A. G. HAMEL, Denver, Colo.

Cooperation, Bureau of Entomology.

**PROJECTS**

Location of insect-infested timber and determination of methods of local control—  
W. D. EDMONSTON, detailed from the Forest Service, Burns, Colo.

**GRAZING**

J. W. NELSON, Assistant District Forester.  
E. N. KAVANAGH, Assistant District Forester.

**PRODUCTS**

H. S. BETTS, Assistant District Forester.

**PROJECTS****Timber Tests—**

Timber-testing laboratory in cooperation with the University of Colorado, Boulder, Colo.—N. DEW. BETTS, in charge; assistants, A. D. WOLFF and H. V. BLANK.

Tests on round timbers of various Rocky Mountain species, including mine timbers, in cooperation with the Northern Coal and Coke Company, Rocky Mountain Fuel Company, and various National Forests.

Tests on western red cedar, lodgepole pine, and Engelmann spruce telephone poles, in cooperation with the South Platte Power Company, Central Colorado Power Company, and the Colorado Telephone Company.

Preparation of specimens for exhibits of the Denver Chamber of Commerce.

**Wood Preservation—**

Construction and experimental operation of a portable wood-preserving plant on the Routt National Forest—H. M. MASON, Jr., Denver, Colo.

Compilation of a final report on the year's work at the Forest Service wood-preserving plant at Norrie, Colo.—D. L. CARMODY, Denver, Colo.

Preliminary report on the feasibility of preservative treatment for the mine timbers of the Smuggler-Union Mining Company—H. M. MASON, Jr., Denver, Colo.

Study of wood-preservation methods for permanent improvement work on National Forests in District 2—H. S. BETTS and H. M. MASON, Jr., Denver, Colo.

**Wood Utilization—**

Study of wood-using industries in District 2—H. M. MASON, Jr., and D. L. CARMODY, Denver, Colo.

Study of the box industry in Colorado—N. DEW. BETTS, Boulder, Colo.

**NATIONAL FORESTS  
COLORADO**

**Arapaho**—C. G. POOLE, Forest Supervisor, Fraser (WU-Ad); LEE E. COOPER, Deputy Forest Supervisor.

**Battlement**—JOHN W. LOWELL, Jr., Acting Forest Supervisor, Collbran (WU-WF, G).

**Cochetopa**—EUGENE WILLIAMS, Forest Supervisor, Saguache (WU-G).

**Gunnison**—WM. R. KREUTZER, Forest Supervisor, Gunnison (WU-WF, G); E. C. BERKY, Deputy Forest Supervisor; STANLEY B. HALL, Forest Assistant.

**Hayden**—See Wyoming.

**Holy Cross**—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs (WU-WF, G); ALBERT H. MILLER, Deputy Forest Supervisor.

**La Sal**—See Utah, District 4.

**Las Animas**—C. A. WHITNEY, Acting Forest Supervisor, La Veta (WU-G).

**Leadville**—THEODORE SHOEMAKER, Forest Supervisor, Leadville (WU, P-WF, G); R. E. CLARK, Deputy Forest Supervisor; J. E. MARTIN, Forest Assistant.

**Medicine Bow**—H. N. WHEELER, Forest Supervisor, Fort Collins (WU-WF); H. B. HOLROYD, Deputy Forest Supervisor.

**Montezuma**—RESS PHILLIPS, Forest Supervisor, Mancos (WU-G).

**Pike**—C. M. Granger, Acting Forest Supervisor, Denver (WU, P-Ad, G, P, US, WF); W. I. HUTCHINSON, Forest Assistant; Monument Nursery—W. SCHRADER, Forest Planting Assistant, Monument.

**Rio Grande**—A. L. STROUP, Forest Supervisor, Monte Vista (WU-G); WALTER F. BOWERS, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.

**Routt**—J. H. RATLIFF, Forest Supervisor, Steamboat Springs (WU-Ad); P. J. PAXTON, Forest Assistant.

**San Isabel**—J. N. LANGWORTHY, Forest Supervisor, Westcliffe (WU-G); M. B. WILLEY, Deputy Forest Supervisor.

**San Juan**—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G); A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.

**Sopris**—JOHN McLAREN, Forest Supervisor, Aspen (WU-WF, G); THOS. C. HATTON, Deputy Forest Supervisor; R. H. THOMPSON, Forest Assistant.

**Uncompahgre**—HENRY L. SPENCER, Forest Supervisor, Delta (WU-G); HOWARD S. BUSHNELL, Deputy Forest Supervisor; J. H. RAMSKILL, Forest Assistant.

**White River**—JAMES A. BLAIR, Forest Supervisor, Meeker (WU-WF, G); ELMER E. STEPHENSON, Deputy Forest Supervisor.

**KANSAS**

**Kansas**—B. R. H. d'ALLEMAND, Forest Supervisor, Garden City (WU, P-WF); Garden City Nursery—C. R. TAYLOR, Forest Planting Assistant.

**NEBRASKA**

**Nebraska**—W. H. MAST, Forest Supervisor, Halsey (WU-Ad); H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Nursery—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

## SOUTH DAKOTA

**Black Hills**—PAUL D. KELLETER, Forest Supervisor, Deadwood (WU-Ad, Am); JOHN MURDOCH, Jr., and G. A. DUTHIE, Forest Assistants.

## WYOMING

**Bighorn**—W. E. JACKSON, Forest Supervisor, Sheridan (WU-Ad); HERBERT GRAFF, Deputy Forest Supervisor.

**Bonneville**—FOSTER STEELE, Acting Forest Supervisor, Pinedale (WU-Am); H. EARL FRENCH, Deputy Forest Supervisor.

**Cheyenne**—P. S. LOVEJOY, Forest Supervisor, Laramie (WU, P-P); JOHN E. STEPHENS, Deputy Forest Supervisor; R. A. STRETCH and G. W. HENDRY, Forest Assistants.

**Hayden**—JAMES BLACKHALL, Forest Supervisor, Encampment (WU, P-P); ARTHUR M. COOK, Deputy Forest Supervisor.

**Shoshone**—H. W. THURSTON, Forest Supervisor, Cody (WU-Ad).

**Sundance**—LOUIS KNOWLES, Acting Forest Supervisor, Sundance (WU-Ad, Am).

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DISTRICT 3

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

**A. C. RINGLAND**, District Forester.

**E. H. CLAPP**, Associate District Forester.

BLAKE FRANKLIN, District Law Officer.

R. F. FEAGANS, Assistant District Law Officer.

—  
OPERATION

A. O. WAHA, Assistant District Forester.

A. S. PECK, Assistant District Forester.

**Accounts**, J. J. DUFFY, District Fiscal Agent.

**Maintenance**, W. B. BUNTON.

## SILVICULTURE

T. S. WOOLSEY, Jr., Assistant District Forester.

A. B. RECKNAGEL, Assistant District Forester.

**Timber Sales**, Assistant District Foresters in Silviculture.

## PROJECTS

**Arizona—**

Collection of data for volume and growth study of woodland species—L. L. JANES, Ashfork.

Preparation of working plan report for Coconino National Forest—J. H. ALLISON, Flagstaff.

Preparation of working plan reports for Prescott and Sitgreaves National Forests—D. W. ADAMS, Hot Springs, Ark.

**Arkansas—**

Reconnaissance of the Arkansas National Forest—D. W. ADAMS, in charge; assistants, C. J. HELLER, H. L. JOHNSON, R. P. A. JOHNSON, T. B. LONGWELL, and DAVE WINBRAY, Womble.

**Florida—**

Reconnaissance of the Choctawhatchee National Forest—A. B. RECKNAGEL, in charge; assistants, J. M. BRISCOE, P. D. EDMUNDS, R. G. MERRITT, and P. P. PITCHLYNN, De Funiak Springs.

**New Mexico—**

Check scaling and sale administration on the Gila National Forest—NELSON L. LE GRAND, Lumberman, Silver City.

Check scaling on the Datil National Forest—A. A. WYNNE, Magdalena.

**Planting**, Assistant District Foresters in Silviculture.

**Silvics**, Coconino Forest Experiment Station—G. A. PEARSON, in charge; assistant, H. D. BURRALL, Flagstaff, Ariz.

## GRAZING

J. K. CAMPBELL, Assistant District Forester.

JOHN KERR, Assistant District Forester.

## NATIONAL FORESTS

## ARIZONA

**Apache**—JOHN D. GUTHRIE, Forest Supervisor, Springerville (WU, P-WF); HARRY C. VILES, Deputy Forest Supervisor; ALDO LEOPOLD, Forest Assistant.

**Chiricahua**—A. H. ZACHAU, Forest Supervisor, Portal (WU, P-WF).

**Coconino**—FRANK C. W. POOLER, Forest Supervisor, Flagstaff (WU, P-WF); WILARD M. DRAKE, Deputy Forest Supervisor; E. H. CRABB, Deputy Forest Supervisor; J. C. KIRCHER, Forest Assistant.

**Coronado**—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); ROBERT L. ROGERS, Deputy Forest Supervisor.

**Crook**—T. T. SWIFT, Forest Supervisor, Safford (WU-WF); H. L. JOHNSON, Forest Assistant.

**Garces**—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); ROBERT L. ROGERS, Deputy Forest Supervisor.

**Prescott**—C. H. HINDERER, Forest Supervisor, Prescott (WU-WF); J. C. McNELTY, Deputy Forest Supervisor.

**Sitgreaves**—A. J. MACKAY, Forest Supervisor, Snowflake (WU, P-WF).

**Tonto**—R. G. WILLSON, Forest Supervisor, Roosevelt (WU-WF); CHAS. H. JENNINGS, Deputy Forest Supervisor.

**Zuni**—See New Mexico.

#### ARKANSAS

**Arkansas**—S. J. RECORD, Forest Supervisor, Mena (WU-WF); S. A. CHAPPELL, Deputy Forest Supervisor.

**Ozark**—FRANCIS KIEFER, Forest Supervisor, Harrison (WU-WF); RALPH C. HUEY, Deputy Forest Supervisor.

#### FLORIDA

**Choctawhatchee** } I. F. ELDREDGE, Forest Supervisor, De Funiak Springs; W. F. Ocala } HILL, Deputy Forest Supervisor.

#### NEW MEXICO

**Alamo**—ARTHUR M. NEAL, Forest Supervisor, Alamogordo (WU, P-WF).

**Carson**—ROSS McMILLAN, Forest Supervisor, Antonito, Colo. (WU-G); FREDERICK R. STARR, Forest Assistant.

**Chiricahua**—See Arizona.

**Datil**—W. H. GODDARD, Forest Supervisor, Magdalena (WU, P-WF); R. F. BALTHIS, Deputy Forest Supervisor.

**Gila**—DOUGLAS RODMAN, Forest Supervisor, Silver City (WU-WF); DON P. JOHNSTON, Deputy Forest Supervisor; BARRINGTON MOORE, Forest Assistant; Fort Bayard Nursery—H. C. TURNER, Forest Planting Assistant.

**Jemez**—FRANK E. ANDREWS, Forest Supervisor, Santa Fe (WU, P-WF); B. M. THOMAS, Deputy Forest Supervisor.

**Lincoln**—J. A. KINNEY, Forest Supervisor, Capitan (WU, P-WF).

**Manzano**—W. R. MATTOON, Forest Supervisor, Albuquerque (WU, P-WF); JAMES F. MULLEN, Deputy Forest Supervisor.

**Pecos**—THOS. R. STEWART, Forest Supervisor, Santa Fe (WU, P-WF); HUGH G. CALKINS, Deputy Forest Supervisor; Las Gallinas Nursery—A. HEDRICKS, Forest Planting Assistant.

**Zuni**—A. D. READ, Forest Supervisor, Gallup (WU, P-WF); FREDERIC WINN, Deputy Forest Supervisor.

#### OKLAHOMA

**Wichita**—FRANK RUSH, Game Warden, in charge, Cache (WU-WF).

## DISTRICT 4

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and northwestern Arizona.

Forest Service Building, Ogden, Utah.

**E. A. SHERMAN**, District Forester.

**FRANKLIN W. REED**, Associate District Forester.

W. C. HENDERSON, District Law Officer.

T. C. HOYT, Assistant District Law Officer.

### OPERATION

R. P. IMES, Assistant District Forester.

E. H. CLARKE, Assistant District Forester.

A. T. MITCHELSON, District Engineer.

**Accounts**, Q. R. CRAFT, District Fiscal Agent.

**Maintenance**, FELIX T. MOORE.

### SILVICULTURE

L. L. WHITE, Assistant District Forester.

O. M. BUTLER, Assistant District Forester.

**Timber Sales**, Assistant District Foresters in Silviculture.

### PROJECTS

#### **Arizona—**

Reconnaissance of Kaibab National Forest, D. M. LANG, in charge; assistants, L. CROWELL, NILS B. ECKBO, SIDNEY S. STEWART, REESE W. TAYLOR, and JOHN E. INGRAM.

#### **Idaho—**

Preparation of map and reconnaissance report of timber on Sawtooth National Forest—C. P. WILBER, Ogden, Utah.

Check scaling, Salmon National Forest—JOHN K. KIDD, Sealer, Salmon.

Reconnaissance for Pocatello National Forest—A. L. BROWER, Pocatello.

**Planting**, J. M. FETHEROLF.

**Silvics**, E. R. HODSON.

### GRAZING

HOMER E. FENN, Assistant District Forester.

A. C. McCAIN, Assistant District Forester.

G. G. BENTZ, Assistant District Forester.

## SUPPLY DEPOT

A. M. SMITH, Property Clerk.

## PROPERTY AUDIT

J. G. FALCK, Property Auditor.

## NATIONAL FORESTS

## ARIZONA

Dixie—See Utah.

Kaibab—JOHN H. CLARK, Forest Supervisor, Kanab, Utah (WU-WF); DANIEL K. JUDD, Deputy Forest Supervisor.

## IDAHO

Boise—E. GRANDJEAN, Forest Supervisor, Boise (WU-P).

Cache—See Utah.

Caribou—N. E. SNELL, Forest Supervisor, Idaho Falls (WU-P); L. J. PHELAN, Deputy Forest Supervisor; JAMES H. JOHNSON, Grazing Assistant.

Challis—DAVID LAING, Forest Supervisor, Challis (WU-P); JOIN A. PEARSON, Deputy Forest Supervisor.

Idaho—HENRY A. BERGH, Forest Supervisor, McCall (WU-P).

Lemhi—C. I. HUDDLE, Forest Supervisor, Mackay (WU-P).

Minidoka—WM. MCCOY, Forest Supervisor, Oakley (WU-P).

Payette—GUY B. MAINS, Forest Supervisor, Emmett (WU-P); CARL B. ARENTSON, Deputy Forest Supervisor.

Pocatello—J. F. BRUINS, Acting Forest Supervisor, Pocatello (WU-P); A. L. BROWER, Forest Assistant; Pocatello Nursery—P. T. WRENSTED, Forest Ranger.

Salmon—JAMES M. RYAN, Forest Supervisor, Salmon (WU-P); F. T. MCLEAN and C. P. WILBER, Forest Assistants.

Sawtooth—C. N. WOODS, Forest Supervisor, Hailey (WU-P); H. G. MCPHETERS, Deputy Forest Supervisor; FRANK J. RYDER, Forest Assistant.

Targhee—DAVID BARNETT, Forest Supervisor, St. Anthony (WU-P); CHARLES A. BEAM, Deputy Forest Supervisor; CHESTER B. MORSE, Forest Assistant.

Targhee (Palisade)—DAN S. PACK, Forest Supervisor, St. Anthony (WU-P); ULRICH C. POGGE, Deputy Forest Supervisor; LUCAS W. HASTINGS, Grazing Assistant.

Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser (WU-P); W. M. CAMPBELL, Deputy Forest Supervisor; A. E. OMAN, Forest Assistant.

## NEVADA

Humboldt—C. SYDNEY TREMEWAN, Forest Supervisor, Elko (WU-WF); W. W. BLAKESLEE, Deputy Forest Supervisor.

Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas (WU-WF).

Nevada—R. F. MATHIAS, Forest Supervisor, Ely (WU-WF); CHAS. F. PATTERSON, Deputy Forest Supervisor; RUDOLPH DIEFFENBACH, Forest Assistant.

Toiyabe—M. S. BENEDICT, Forest Supervisor, Austin (WU, P-WF); JAMES L. PELTON, Deputy Forest Supervisor.

## UTAH

**Ashley**—W. M. ANDERSON, Forest Supervisor, Vernal (WU-WF).  
**Cache**—CLINTON G. SMITH, Forest Supervisor, Logan (WU-P); J. E. ROTHERY, Deputy Forest Supervisor.  
**Dixie**—JAMES E. JEWELL, Forest Supervisor, St. George (WU-WF).  
**Fillmore**—WM. HURST, Forest Supervisor, Beaver (WU-WF); GEORGE C. THOMPSON, Deputy Forest Supervisor.  
**Fishlake**—CHARLES L. SMITH, Forest Supervisor, Salina (WU-WF); OLUF G. NIELSON, Deputy Forest Supervisor.  
**La Sal**—JOHN RIS, Forest Supervisor, Moab (WU-WF).  
**Manti**—A. W. JENSEN, Forest Supervisor, Ephraim (WU-WF); ERNEST WINKLER, Deputy Forest Supervisor; PARLEY CHRISTIANSEN, Grazing Assistant.  
**Minidoka**—See Idaho.  
**Nebo**—H. F. STUDLEY, Acting Forest Supervisor, Nephi (WU-WF).  
**Pocatello**—See Idaho.  
**Powell**—GEO. H. BARNEY, Forest Supervisor, Escalante (WU-WF).  
**Sevier**—O. C. SNOW, Forest Supervisor, Panguitch (WU-WF); FRANK W. SEAMAN, Deputy Forest Supervisor.  
**Uinta**—W. I. PACK, Forest Supervisor, Provo (WU-WF); W. JONES BOWEN, Grazing Assistant.  
**Wasatch**—R. V. R. REYNOLDS, Forest Supervisor, Salt Lake City (WU, P-WF, P); WILLIAM M. MCGHIE, Deputy Forest Supervisor; Wasatch Nursery—N. J. FETHEROLF, Forest Planting Assistant.

## WYOMING

**Ashley**—See Utah.  
**Caribou**—See Idaho.  
**Targhee**—See Idaho.  
**Teton**—R. E. MILLER, Forest Supervisor, Jackson (WU-Am).  
**Wyoming**—JOHN RAPHAEL, Forest Supervisor, Afton (WU-P); H. E. WOOLLEY, Deputy Forest Supervisor; GLIDDEN J. BARSTOW, Grazing Assistant.

## DISTRICT 5

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

**F. E. OLMSTED**, District Forester.  
**COERT DUBOIS**, Associate District Forester.

H. P. DECHANT, Acting District Law Officer.  
L. A. BARRETT, Chief of Claims.

## OPERATION

ROY HEADLEY, Assistant District Forester.  
R. F. HAMMATT, Assistant District Forester.

Accounts, CLARENCE WILEY, District Fiscal Agent.  
Maintenance, M. R. TILLOTSON.

## SILVICULTURE

G. M. HOMANS, Assistant District Forester.  
T. D. WOODBURY, Assistant District Forester.

**Timber Sales**, Assistant District Foresters in Silviculture.

## PROJECTS

Examination of timber trespass and of proposed sale areas in the Lassen National Forest—C. H. ENSIGN, Lumberman, Red Bluff, Cal.

Examination of proposed sale areas on the Plumas National Forest—PATRICK KENNEDY and J. C. ELLIOTT, Lumbermen, Quincy, Cal.

A study of eucalypts in the Hawaiian Islands in cooperation with the territorial Forester—L. MARGOLIN, Honolulu, Hawaii.

**Planting**, C. A. KUPFER.

## PROJECTS

Examination of the Caspar and L. E. White Lumber Companies cut-over lands with a view to recommending suitable species for planting and the preparation of planting plans—C. A. KUPFER, Caspar, Cal.

Assisting supervisor in carrying out planting plans for the Cleveland National Forest—N. O. TORSTENSON, Planting Assistant, San Diego, Cal.

**Silvics**, Assistant District Foresters in Silviculture.

## GRAZING

JOHN H. HATTON, Assistant District Forester.  
M. B. ELLIOTT, Assistant District Forester.

## PRODUCTS

C. S. SMITH, Assistant District Forester.

## PROJECTS

**Timber Tests**—

Testing laboratory in cooperation with the University of California, Berkeley, Cal.—A. L. HEIM, in charge; assistant, G. R. GESSERT.

Tests on redwood in cooperation with the California Redwood Association.

**Wood Preservation—**

Experiments to determine the best methods of seasoning *Eucalyptus globulus* poles, logs, and umber, in cooperation with the estate of Adolph Sutro, the Pacific Land Investment Company, the Mount Tamalpais Cemetery Association, the Parkside Realty Company, and the Pioneer Wood Company; and *Eucalyptus viminalis* logs, in cooperation with the University of California—C. STOWELL SMITH, San Francisco, Cal.

Study of the conditions found in the mines of California, with a view to recommending cooperation in the preservative treatment of mine timbers—C. STOWELL SMITH, San Francisco, Cal.

Design of treating plant and seasoning yard for telephone poles for the Pacific Telephone and Telegraph Company—C. STOWELL SMITH, San Francisco, Cal.

Experiments to determine the relative resistance to marine wood borers of different species of untreated timber and of Douglas fir treated by various preservatives and coatings—A. K. ARMSTRONG, San Francisco, Cal.

**NATIONAL FORESTS****CALIFORNIA**

**Angeles**—R. H. CHARLTON, Forest Supervisor, Los Angeles (WU, P-WF); ERNEST B. LONG, Deputy Forest Supervisor; J. M. GRANT, Forest Expert, in charge of planting operations; SEROPE Y. PARNAY, Forest Planting Assistant, San Bernardino.

**California**—ERNEST BRITTEN, Forest Supervisor, Willows (P-WF); N. B. DREW, Deputy Forest Supervisor; ALLAN H. HODGSON, Forest Assistant.

**Cleveland**—H. A. E. MARSHALL, Forest Supervisor, San Diego (WU, P-WF); PERCY L. DAY, Deputy Forest Supervisor; F. L. RICKY, Planting Assistant.

**Inyo**—A. H. HOGUE, Forest Supervisor, Bishop (WU-WF); JOHN D. COFFMAN, Forest Assistant.

**Klamath**—R. L. FROMME, Forest Supervisor, Yreka (P-WF); J. R. HALL, Deputy Forest Supervisor; SHIRLEY W. ALLEN, Forest Assistant.

**Lassen**—L. A. H. KLING, Forest Supervisor, Red Bluff (P-WF); J. C. LA PLANT, Deputy Forest Supervisor; HENRY L. BOLDENWECK, Forest Agent.

**Modoc**—C. E. RACHFORD, Forest Supervisor, Alturas (P-WF); VERNON L. BONNER, Deputy Forest Supervisor; BELKNAP C. GOLDSMITH, Forest Assistant.

**Mono**—See Nevada.

**Monterey**—RAYMOND TYLER, Forest Supervisor, Salinas (WU-WF).

**Plumas**—D. N. ROGERS, Forest Supervisor, Quincy (WU-WF); W. G. DURBIN, Deputy Forest Supervisor; R. S. MADDOX, Forest Assistant.

**Santa Barbara**—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara (P-WF); H. G. MERRILL, Deputy Forest Supervisor.

**Sequoia**—ALLAN R. PATTERSON, Forest Supervisor, Hot Springs, Tulare County (WU via Porterville-WF); W. C. BURTON, Deputy Forest Supervisor.

**Shasta**—W. B. RIDER, Forest Supervisor, Sisson (P-WF); PHILIP T. HARRIS, Deputy Forest Supervisor.

**Sierra**—C. H. SHINN, Forest Supervisor, Northfork (WU via Fresno-WF); M. A. BENEDICT, Deputy Forest Supervisor; H. J. TOMPKINS, Forest Assistant.

**Stanislaus**—R. W. AYERS, Forest Supervisor, Sonora (WU-WF); J. V. WULFF, Forest Assistant.

**Tahoe**—R. L. P. BIGELOW, Forest Supervisor, Nevada City (WU-WF); M. B. PRATT, Deputy Forest Supervisor; J. ALFRED MITCHEL, Forest Assistant.

**Trinity**—F. H. HAFLEY, Forest Supervisor, Weaverville (WU-WF); W. A. HUESTIS, Deputy Forest Supervisor; ERNEST V. JOTTER, Forest Assistant.

#### NEVADA

**Inyo**—See California.

**Mono**—WM. M. MAULE, Forest Supervisor, Gardnerville (WU-WF).

**Tahoe**—See California.

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### DISTRICT 6

Washington, Oregon, and Alaska.

Office, Beck Building, Portland, Oreg.

C. S. CHAPMAN, District Forester.

GEO. H. CECIL, Associate District Forester.

W. F. STALEY, Acting District Law Officer.

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### OPERATION

C. H. FLORY, Assistant District Forester.

C. J. BUCK, Assistant District Forester.

W. E. HERRING, District Engineer.

Accounts, A. H. COUSINS, District Fiscal Agent.

Maintenance, SHIRLEY BUCK.

### SILVICULTURE

F. E. AMES, Assistant District Forester.

C. S. JUDD, Assistant District Forester.

Timber Sales, Assistant District Foresters in Silviculture.

### PROJECTS

**Oregon**—

Examination of proposed sale areas on the Crater National Forest—D. L. MCKAY, Sealer, Medford.

**Washington—**

Scaling on the Snoqualmie National Forest—EDWIN C. ERICKSON, Scaler, Fortson.  
 Examination of proposed sale areas on the Olympic National Forest—J. P. HUGHES, Lumberman, Olympia.

Reconnaissance of the Olympic National Forest—MAX ROTHKUGEL, Forest Assistant, Olympia.

Planting, J. F. KÜMMEL.  
 Silvics, T. T. MUNGER.

**GRAZING**

II. K. O'BRIEN, Assistant District Forester.  
 T. P. MACKENZIE, Assistant District Forester.

**PRODUCTS**

J. B. KNAPP, Assistant District Forester.

**PROJECTS****Timber Tests—**

Testing laboratory in cooperation with the University of Washington, Seattle, Wash.—O. P. M. Goss, in charge; assistant, C. W. ZIMMERMAN.

Tests of treated Douglas fir in cooperation with the Pacific Creosoting Company.

Tests of fire-killed Douglas fir in cooperation with the Clarke County Timber Company and the Eastern and Western Lumber Company.

**Wood Preservation—**

Investigation of the possibilities for the use of treated timber for improvement work on the National Forests in District 6—H. B. OAKLEAF, Portland, Oreg.

Preliminary report on the economy of the preservative treatment of mine timbers used by the Tacoma Steel Company—H. B. OAKLEAF, Portland, Oreg.

Preliminary report on the economy of the preservative treatment of poles and ties used by the Whatcom County Railway and Light Company—H. B. OAKLEAF, Portland, Oreg.

Preliminary report on the economy of the preservative treatment of poles and ties used by the Tacoma Railway and Power Company—H. B. OAKLEAF, Portland, Oreg.

**Wood Utilization—**

Study of the shingle industry in the State of Washington—J. B. KNAPP and JOHN F. SULLIVAN, Portland, Oreg.

Study of the box industry in the Pacific Northwest—JOHN F. SULLIVAN, Portland, Oreg.

Study of the market for and uses of forest products at Spokane, Wash.—JOHN F. SULLIVAN, Spokane, Wash.

## NATIONAL FORESTS

## ALASKA

**Chugach**—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP);  
LAGE WERNSTEDT, Forest Assistant.

**Tongass**—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP);  
LAGE WERNSTEDT, Forest Assistant.

## CALIFORNIA

**Crater**—See Oregon.

**Siskiyou**—See Oregon.

## OREGON

**Cascade**—C. R. SEITZ, Forest Supervisor, Eugene (WU, P-WF); J. R. HARVEY,  
Deputy Forest Supervisor; E. B. STARR, Forest Assistant.

**Crater**—M. L. ERICKSON, Forest Supervisor, Medford (WU, P-WF); S. S. SWEN-  
NING, Deputy Forest Supervisor; H. D. FOSTER and B. T. HARVEY, Forest  
Assistants.

**Deschutes**—A. S. IRELAND, Forest Supervisor, Prineville (PT & T-WF via Shaniko).

**Fremont**—GUY M. INGRAM, Forest Supervisor, Lakeview (WU via Klamath Falls-  
WF); G. D. BROWN, Deputy Forest Supervisor.

**Malheur**—CY. J. BINGHAM, Forest Supervisor, John Day (WU via Baker City-WF  
via Baker City).

**Oregon**—T. H. SHERRARD, Forest Supervisor, Portland (WU, P-WF, N, P); RALPH  
S. SHELLEY, Deputy Forest Supervisor; W. B. OSBORNE, Forest Assistant.

**Siskiyou**—M. J. ANDERSON, Forest Supervisor, Grants Pass (WU, P-WF); N. F.  
MCUFF, Deputy Forest Supervisor; H. HAEFNER, Forest Assistant.

**Siuslaw**—A. E. COHOON, Forest Supervisor, Eugene (WU, P-WF); DAVID E.  
FITTON, Deputy Forest Supervisor.

**Umatilla**—THOS. E. CHIDSEY, Forest Supervisor, Heppner (WU-P).

**Umpqua**—S. C. BARTRUM, Forest Supervisor, Roseburg (WU, P-WF); H. M. HALE,  
Deputy Forest Supervisor; E. H. McDANIELS, Forest Assistant.

**Wallowa**—H. W. HARRIS, Forest Supervisor, Wallowa (WU-P); S. A. BROWN,  
Deputy Forest Supervisor; CHAS. BLACK, Grazing Assistant; E. O. SIECKE,  
Forest Assistant.

**Wenaha**—See Washington.

**Whitman**—HENRY IRELAND, Forest Supervisor, Sumpter (WU via Baker City-WF  
via Baker City); M. L. MERRITT, Forest Assistant.

## WASHINGTON

**Chelan**—G. W. MILHAM, Forest Supervisor, Chelan (PT & T-Am via Wenatchee,  
GN via Wenatchee); D. S. RICE, Deputy Forest Supervisor; D. B. REYNOLDS,  
Forest Assistant.

**Columbia**—HOMER ROSS, Acting Forest Supervisor, Portland, Oreg. (WU, P-WF,  
N, P); A. R. WILCOX, Forest Assistant.

**Colville**—C. C. REID, Acting Forest Supervisor, Republic (WU, P-Am, GN); F. W.  
CLEATOR, Deputy Forest Supervisor.

**Olympic**—R. E. BENEDICT, Forest Supervisor, Olympia (WU-Am, GN, N); E. E. FISHEL, Deputy Forest Supervisor; MAX ROTHKUGEL, Forest Assistant.

**Rainier**—G. F. ALLEN, Forest Supervisor, Orting (WU-Am, N); H. L. HURD, Deputy Forest Supervisor; E. J. FENBY, Forest Assistant.

**Snoqualmie**—B. P. KIRKLAND, Forest Supervisor, Seattle (WU, P-N, GN, WF); E. T. CLARK, Forest Assistant.

**Washington**—C. H. Park, Forest Supervisor, Bellingham (WU, P-Am, GN, N); A. A. PARKER, Deputy Forest Supervisor; F. H. BRUNDAGE, Forest Assistant.

**Wenaha**—J. M. SCHMITZ, Forest Supervisor, Walla Walla (WU-N, P).

**Wenatchee**—A. H. SYLVESTER, Forest Supervisor, Leavenworth (WU-Am, GN); S. A. BLAKENSHIP, Deputy Forest Supervisor; C. P. WILLIS, Forest Assistant.

## SERVICE CHANGES IN FEBRUARY

### APPOINTED

#### Forester—

MATHIAS E. FAGAN, Chief, Office of Accounts.  
LAW: ROBERT W. WILLIAMS, Jr., Law Officer;  
PATRICK D. CRONIN, Assistant Law Officer.

### RESTORED TO THE ROLLS

#### District 5—

R. L. MADDOX, Forest Assistant, Plumas National Forest.

### CHANGE IN DESIGNATION

#### Operation—

RECORDS: H. B. CRAMER, Chief, Office of Records.

#### District 2—

FRANK THOMPKINS from Deputy Forest Supervisor on the Montezuma National Forest to Forest Ranger on the Deerlodge National Forest.

#### District 4—

CLYDE LEAVITT, District Forester to Assistant Forester.

#### District 5—

ALLAN R. PATTERSON, Chief of Federal Cooperation, to Forest Supervisor, Sequoia National Forest; E. A. SHERMAN, Forest Supervisor, Sequoia National Forest, to District Forester, District No. 4; M. R. TILLOTSON, Land Examiner, to Chief of Maintenance; J. R. HALL, Forest Assistant, Plumas National Forest, to Deputy Forest Supervisor, Klamath National Forest.

### FURLoughed

#### District 5—

J. B. JEFFRIES, Chief of Maintenance;  
GEO. W. PEAVY, Forest Examiner.

### RESIGNED

#### Forester—

LAW: PHILIP P. WELLS, Law Officer.  
INFORMATION: RAYMOND W. PULLMAN, Expert.

#### Silviculture—

FEDERAL COOPERATION: WM. S. UHLER, Lumberman.

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With deep regret announcement is made of the death, on February 25, 1910, at Washington, D. C., of Miss ANNE ESTELLE FOWLER, Copyist-Topographic-Draftsman.

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# SERVICE NOTES FOR MARCH

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

## OFFICE OF THE FORESTER

### Rules Governing Changes in Forest Boundaries—

A statement of policy regarding eliminations from and additions to the National Forests was agreed upon by the Secretary of the Interior and the Secretary of Agriculture at a conference held on February 7, 1910, and subsequently approved by the President, which is as follows:

“1. Lands wholly or in part covered with brush or other undergrowth which protects stream flow or checks erosion on the watershed of any stream important to irrigation or to the water supply of any city, town, or community, or open lands on which trees may be grown, should be retained within the National Forests, unless their permanent value under cultivation is greater than their value as a protective forest.

“2. Lands wholly or in part covered with timber or undergrowth, or cut-over lands which are more valuable for the production of trees than for agricultural crops, and lands densely stocked with young trees having a prospective value greater than the value of the land for agricultural purposes, should be retained within the National Forests.

“3. Lands not either wholly or in part covered with timber or undergrowth, which are located above timber line within the Forest boundary or in small bodies scattered through the Forest, making elimination impracticable, or limited areas which are necessarily included for a proper administrative boundary line, should be retained within the National Forests.

“4. Lands not either wholly or in part covered with timber or undergrowth, except as provided for in the preceding paragraphs, upon which it is not expected to grow trees, should be eliminated from the National Forests.”

Hereafter, favorable action will be taken only on recommendations which are in conformity with the above policy.

## LAW

### Law Office of the Forest Service as Now Constituted—

By General Order No. 138, dated January 15, 1910, the Secretary of Agriculture ordered that “the legal work of the Forest Service will be performed under the immediate supervision and direction of the Solicitor for the Department of Agri-

culture." And by orders of the Secretary dated February 2, 1910, the Law Office of the Forest Service was constituted as follows:

Law Officer, Robert W. Williams, Jr.,  
First Assistant Law Officer, Thomas G. Shearnan,  
Second Assistant Law Officer, Patrick D. Cronin.

On February 7, 1910, the following letter was approved by the Secretary of Agriculture:

FEBRUARY 7, 1910.

Mr. HENRY S. GRAVES, *Forester*.

Mr. GEORGE P. McCABE, *Solicitor*.

GENTLEMEN: Pursuant to your instructions to report to you upon a plan for eliminating from the Office of the Solicitor all administrative work heretofore done by the Law Office of the Forest Service, and to carry into effect that part of Secretary's Order No. 138 of January 15, 1910, transferring to the Solicitor all the legal work of the Forest Service, we submit the following:

The legal work of the Forest Service should be conducted by the Law Officer and the District Law Officers. The Law Officers will be formally detailed to the Office of the Secretary of Agriculture and will perform their work under the direct supervision of the Solicitor.

Our recommendations for the accomplishment of the above purpose can be presented better in a delineation of the work we conceive to be appropriate and necessary for the Law Officer.

1. The Law Officer should be the legal adviser of the Forester and his assistants upon questions of law arising in connection with the administration of the National Forests.

2. He should prepare all contracts not following the regular approved forms, all new legal forms as the need for them arises, and all of the legal papers directly affecting the operations of the Forest Service to which the Department is a party or in which the Department is interested.

3. He should scrutinize and pass upon the sufficiency of the execution of all legal papers affecting the operations of the Forest Service and prepared for the signature of the Secretary or of the Forester. He should likewise scrutinize and pass upon the sufficiency and the form of acknowledgment of such legal instruments.

4. He should draft all regulations to be promulgated by the Secretary for the administration of the National Forests.

5. He should prepare all correspondence with the Department of Justice, and upon request of that Department cooperate with it.

6. He should prepare all requests to the Comptroller of the Treasury for his opinion on questions involving the expenditure of appropriations of the Forest Service.

7. He should prepare all correspondence with the Interior Department regarding legal questions. He should cooperate at hearings whenever requested by the Department of the Interior. All legal questions arising in connection with claims affecting the National Forests should be referred to the Law Officer, and he should represent the Department in connection therewith whenever personal appearance is necessary or advisable.

8. He should prepare all applications for patents on inventions of the employees of the Forest Service to be dedicated to the public.

9. Upon due request the law officer should draft bills for State and National legislation and may, if he desires, submit suggestions and recommendations to the Forester in reference thereto with such draft.

Within their respective spheres the District Law officers should occupy the same relation to the District Foresters and their assistants as the Law Officer will sustain to the Forester. This relation is partially defined in divisions 1, 2, 3, 5, and 7.

Very respectfully,

(Signed) R. W. WILLIAMS, JR.  
(Signed) CHAS. R. PIERCE.

We concur in the above report and recommend its adoption.

(Signed) HENRY S. GRAVES, Forester.

(Signed) GEO. P. McCABE, Solicitor.

APPROVED:

(Signed) JAMES WILSON, Secretary of Agriculture.

#### **United States Entitled to Relief against the C., M. and St. P. R. R.—**

On February 12 the United States Circuit Court for the District of Idaho rendered a memorandum opinion in the case of the United States *v.* The Chicago, Milwaukee and St. Paul Railway Co. (see December, 1908, Field Program, p. 129), overruling the demurrer and exceptions to the bill, and holding that upon the facts stated the Government is entitled to equitable relief.

## **OPERATION**

#### **Use of Form 861—**

The printed instructions to Forest Officers on the reverse side of Form 861 has been changed to read:

Furnish this form to persons making payments for timber and for the use of land or other resources of the National Forests, except grazing. Enter in the spaces provided the amount of the remittance and the designation of the transaction on account of which the payment is made. Do not use this form for grazing permits.

The note in the April, 1909, Field Program, page 234, is therefore amended in accordance with this change.

#### **Letters of Authorization—**

Beginning April 1, 1910, the use of the following forms of Letters of Authorization will be discontinued:

Forms 370, 372b, 374a, 374b, 375a, 375b, 382a, and 382b.

New forms are being prepared and will be ready for distribution on or before March 21. No requisition for these forms will be necessary, since the Property Clerk has been requested to forward a supply when printed.

#### **Reimbursement for Lodging at Ranger Stations—**

(Amends note on page 186, December, 1909, Field Program.)

Forest officers should in no case be charged for lodging at a ranger station, which is the property of the Government. When, however, a ranger is living in a house of his own, or in one rented by him, it is entirely reasonable that a charge for lodging be made to Forest officers. The custom of making a charge for the use of blankets

and linen at ranger stations owned by the Government will be discontinued on April 1, 1910, and no such charge will be made thereafter, except when it is for lodging in a house either owned or rented by the Forest officer.

## SILVICULTURE

### Correction of Timber Sale Agreement, Form 202—

In order to bring the wording of Form 202 up to date the following corrections should be made in it, whenever an application or agreement is prepared:

On page 2, line 2, the words "Fiscal Agent, Forest Service, at Washington, D. C." should be crossed out and the following words written in: "\_\_\_\_ National Bank (U. S. Depository), \_\_\_\_ , \_\_\_\_ , or such other depository or officer as shall hereafter be duly designated by the United States, to be placed to the credit of the United States."

For the words "said Fiscal Agent," about the middle of page 2, should be substituted the words "U. S. Depository or officer as aforesaid."

On page 3, lines 9 and 10, the words "without any charge or expense whatever to the Forest Service," should be crossed out and the following regulation, number 17, should be written in immediately after regulation 16:

17. .... agree, unless prevented by circumstances over which .... have (I or we) (I or we)  
no control, to place .... employees, subcontractors (myself or ourselves) (our or my) and employees of subcontractors at the disposal of any authorized forest officer for the purpose of fighting forest fires, with the understanding that, if the fire does not threaten .... property or the area embraced in this agreement .... (my or our) (I or we) shall be paid for services so rendered unless .... directly or indirectly (I am or we are) responsible for the origin of the fire.

On page 3, line 15, and on page 4 wherever the word "Forester" appears, the word "District" should be inserted before the word "Forester."

### The Cutting Report in Timber Settlements—

In order that timber cut or destroyed in timber-settlement cases, where payment is made on the basis of an estimate, may be included in the monthly report on Form 949, submitted by supervisors, the forest officer in charge, upon the completion of the work, should submit to the supervisor a report on Form 820, giving an estimate of the amount of timber cut or destroyed.

## GRAZING

### Division of Grazing Privileges between Owners—

The second paragraph on page 31 of the revised Grazing Regulations issued under date of January 1, 1910, is hereby amended to read as follows:

No division of the grazing privilege among different owners will be allowed in the renewal of a permit when the number of stock covered by a permit is less than the protective limit. In case the number of stock covered by permit exceeds

the protective limit, a division of the permit among different owners may be allowed, provided that not more than one new owner is allowed a renewal of permit for less than the protective-limit number of stock.

The purpose of this amendment is to prevent the division of existing permits into numerous holdings of less than the protective limit. This practice if allowed to continue would result in the creation of a large class of permittees who, while not strictly Class A settlers, would still be entitled to increase up to the protective limit, to the exclusion of bona fide Class A applicants and at the expense of other prior users of the range holding permits in excess of the protective limits. The instruction as amended applies with equal force to cases of division between the individuals with interests in a permit, and to cases where a part or all of the stock covered by a permit is sold to one or more persons not otherwise entitled to grazing privileges.

#### **Collection of Bounties for Destroying Predatory Animals—**

The Forest Service has customarily allowed all forest officers to collect the bounties offered by States, counties, and stock associations for the killing of predaceous animals, whether the animals were killed by them in the discharge of their regular duties or otherwise. In the appointment of forest rangers and guards for assignment to the work of destroying predatory animals the revenue derived from the collection of bounties has been given consideration, and such appointments have in consequence been made at the minimum salary.

It is not the intention to discontinue this practice, but it must be definitely understood by all members of the Forest Service that the acceptance of bounties for the killing of noxious animals will only be authorized by the Forester when such bounties are freely and voluntarily offered and paid by the State, county, or stock association. In the cases where the payment of bounties is protested by State, county, or stock-association officers on the ground that the forest officer's position requires him to destroy predaceous animals at every opportunity without extra compensation, any action on the part of a forest officer to enforce the payment of bounties will be disapproved by the Forester, and will be regarded as a breach of official conduct.

## **LANDS**

#### **Lands: Organization—**

On February 5 the following letter was approved by the Secretary of Agriculture:

FEBRUARY 5, 1910.

The Honorable,

The SECRETARY OF AGRICULTURE.

SIR:

I hereby recommend that a Branch of Lands be established in the Forest Service and that it have the following organization and jurisdiction:

#### **OFFICE OF OCCUPANCY.**

This Office will have charge of all matters relating to the uses of National Forest land, not already covered by the Branch of Silviculture and the Branch of Grazing, which are allowed by law and regulation. This shall also include reports upon rights-of-way projects to the Department of the Interior and the preparation of stipu-

lations, as required in such cases. It shall also include the special study and compilation of forest laws, and reports and correspondence upon Federal and State legislation.

**OFFICE OF CLAIMS.**

This Office will administer all matters relating to claims upon National Forests, including the final scrutiny of Forest officers' reports and the submission of such reports to the Department of the Interior. This Office shall have supervision over all questions relating to claims procedure upon National Forests except hearings in claims contests, which are handled by the Law Officer; and except the transmission of appeals, which are prepared by the Office of Claims upon scrutiny of the records in the General Land Office, and which are thereafter handled by the Law Officer. This Office will also administer all matters relating to the Act of June 11, 1906, the acquisition of administrative sites and additions to and eliminations from National Forests by proclamation or otherwise.

Respectfully,

(Signed) **HENRY S. GRAVES,**  
*Forester.*

**APPROVED:**

(Signed) **JAMES WILSON,**  
*Secretary of Agriculture.*

**Claims: Status—**

The requests to the Forester for status in the General Land Office at Washington, D. C., should be made on Form 31-2 by changing the words "Register and Receiver" to "Forester." The use of letters in making requests for status should be discontinued. Any explanation may be made by an accompanying memorandum. The requisitions will be returned with the status report. At the end of each year the District Forester will report the number of requests for status made upon the Forester, since no record whatever will be kept in the Washington office. No requests for status should be addressed to the Commissioner of the General Land Office, Washington, D. C., by the District Foresters, but they may be made to the local land offices as heretofore.

**Contested Claims: Appeals—**

As soon as a decision has been rendered against the United States in a Forest Service contested claims case by the Register and Receiver of a local land office, the papers in the case should be forwarded to the Forester with a statement that the Register and Receiver have decided against the United States. If possible, a copy of the Register's and Receiver's opinion should also be forwarded. A memorandum showing the Service's standpoint in the case would be very helpful. In all such cases the records of the General Land Office will be scrutinized in connection with the papers in the case, and if the decision is believed to be erroneous, a statement will be prepared for the consideration of the Commissioner of the General Land Office.

**Claims, Favorable Reports—**

The Commissioner of the General Land Office has requested the Forester to discontinue forwarding favorable reports upon claims within the National Forests except where a special request for a particular report has been made by the Commis-

sioner. The Service Notes for February, page 254, require that the original Forest Officer's report be forwarded with a letter of transmittal which shall be returned. This report is intended for the information of the Secretary of Agriculture and the Forester and not for transmission to the Secretary of the Interior. Letters prepared for the Secretary of Agriculture's signature making favorable recommendation in claims cases should not suggest that a copy of the report is transmitted.

**Claims, Reports to Chiefs of Field Division—**

All cases in which reports have been forwarded to the Chiefs of Field Division and upon which the Commissioner of the General Land Office has not acted by directing adverse proceedings within the space of three months should be called to the attention of the Forester, in order that action can be expedited in Washington. Long delays in this matter result in jeopardizing the interests of the Government and in putting claimants to serious inconvenience and expense.

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**SERVICE PUBLICATION ISSUED IN FEBRUARY**

Instructions for Making Forest Surveys and Maps (Revised).

## CUMULATIVE INDEX TO SERVICE NOTES AND ORDERS

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UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

HENRY S. GRAVES, Forester

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# April Field Program

## 1910

This program of field work and assignments in the Forest Service is issued on the first day of each month and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.



# **FIELD PROGRAM FOR APRIL, 1910**

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## **OFFICE OF THE FORESTER**

**HENRY S. GRAVES**, Forester.

**ALBERT F. POTTER**, Associate Forester.

**HARRY L. HILL**, Secretary to the Forester.

**HERBERT A. SMITH**, Editor.

**FINDLEY BURNS**, in charge of Publication.

**GEORGE B. SUDWORTH**, Dendrologist.

**EUGENE S. BRUCE**, Expert Lumberman.

**D. D. BRONSON**, General Inspector.

**E. M. GRIFFITH**, Special Inspector, Madison, Wis.

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## **ATTACHED TO OFFICE OF THE SOLICITOR**

Department of Agriculture

**ROBERT W. WILLIAMS**, Jr., Law Officer.

**THOMAS G. SHEARMAN**, First Assistant Law Officer.

**PATRICK D. CRONIN**, Assistant Law Officer.

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## **ACCOUNTS**

Division of Accounts and Disbursements

(Forest Service Branch)

**M. E. FAGAN**, Chief of Office of Accounts.

**E. A. MELZAR**, Assistant Chief.

## OPERATION

JAMES B. ADAMS, Assistant Forester, in Charge.

CLYDE LEAVITT, Assistant Forester.

GEORGE G. ANDERSON, Assistant in Office Methods.

## RECORDS

H. B. CRAMER, Chief.

## GEOGRAPHY

FRED G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting. Drafting, C. A. KOLB.

Photography, A. G. VARELA.

## MAINTENANCE

GEORGE A. BENTLEY, Chief.

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## SILVICULTURE

WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

## STATE AND PRIVATE COOPERATION

J. G. PETERS, Chief.

J. H. FOSTER, Assistant Chief.

## PROJECTS

### Eastern States—

Preliminary examinations of forest land, in cooperation with private owners—W. M. MOORE, L. S. MURPHY, and A. W. WILLIAMSON, Washington, D. C.

### Illinois—

Study of forest conditions, in cooperation with the State Laboratory of Natural History—R. C. HALL and O. D. INGALL, Urbana.

### Louisiana—

Preparation of report on forest conditions, in cooperation with the State—J. H. FOSTER, Washington, D. C.

### North Carolina—

Preparation of report on forest conditions, in cooperation with North Carolina Geological and Economic Survey—J. S. HOLMES, Chapel Hill.

**Virginia—**

Preliminary examination of forest conditions, in cooperation with the State, and examination of forest land, in cooperation with private owners—W. W. ASHE, Washington, D. C.

**Wisconsin—**

Study of forest conditions, in cooperation with State Board of Forestry—H. IRION and G. T. BACKUS, Madison.

**SILVICS**

RAPHAEL ZON, Chief.  
S. T. DANA, Assistant Chief.

**PROJECTS****General—**

Seed testing and seed storage—N. H. GRUBB, Washington, D. C.

Basket willow study—G. N. LAMB, Washington, D. C.

Comparative study of silvical characteristics of North American species—C. R. TILLOTSON, Washington, D. C.

Compilation of silvical leaflets on western hardwoods, and potential range of foreign species of value to the United States—Miss M. C. GANNETT, Washington, D. C.

**Florida—**

Study of eucalypts and native hardwoods—R. ZON, Washington, D. C.

**Northeastern States—**

Study of northern hardwoods—E. H. FROTHINGHAM, Washington, D. C.

**Forest Measurements**, W. B. BARROWS.  
**Library**, Miss H. E. STOCKBRIDGE.

**GRAZING**

**A. F. POTTER**, Associate Forester, in Charge.

**L. F. KNEIPP**, Assistant Forester.

**WILL C. BARNES**, Inspector of Grazing.

**PROJECTS**

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; investigation of methods of range control and restoration of overgrazed ranges, JAMES T. JARDINE, Deputy Forest Supervisor, in the Field; preparation of report on forage plant investigations, ARTHUR T. SAMPSON, Plant Ecologist, Washington, D. C. (detailed to Bureau of Plant Industry under instructions of F. V. COVILLE, Botanist).

Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.

**LANDS****C. R. PIERCE**, in Charge.**OCCUPANCY****W. W. DYAR**, in Charge.**CLAIMS****J. I. PARKER**, in Charge.**BRANCH PROJECTS**

Revision of Bulletin 57 and supplements—**C. R. PIERCE** and **J. S. PEYTON**, Washington, D. C.

Comprehensive study of State forest taxation—**FRED. R. FAIRCHILD**, New Haven, Conn.

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**PRODUCTS****WM. L. HALL**, Assistant Forester, in Charge.Purchase, **W. H. KEMPFER**, Madison, Wis.**ACCOUNTS**

W. R. FUCHS, District Fiscal Agent, Madison, Wis.

**LABORATORY**

In cooperation with the University of Wisconsin.  
**McGARVEY CLINE**, Director, Madison, Wis.

**WOOD PRESERVATION**

HOWARD F. WEISS, in Charge, Madison, Wis.

**Projects**

Installation and operation of an experimental tie-treating plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—**C. P. WINSLOW**; assistant, **E. W. PETERS**, Birmingham, Ala.

Design and construction of apparatus for the prevention of sap stain and for a wood-preserving plant, in cooperation with the Great Southern Lumber Company—**C. T. BARNUM**, Madison, Wis.

Installation of wood-preserving apparatus, Forest Products Laboratory—**F. M. BOND**; assistant, **C. H. TEESDALE**, Madison, Wis.

**TIMBER TESTS**

ROLF THELEN, in Charge, Madison, Wis.

**Projects**

Installation of machinery and apparatus in the Forest Products Laboratory—  
 ROLF THELEN, J. A. NEWLIN, CORNELIUS BARRY, FRANK BLAINE, and THOMAS LYONS.

Preparation of report on Douglas fir—MCGARVEY CLINE and H. E. MCKENZIE.

Drafting of plans for arrangement of machinery and apparatus—J. O. BIXBY.

**WOOD CHEMISTRY**

H. S. BRISTOL, in Charge, Madison, Wis.

H. E. SURFACE, Assistant, Madison, Wis.

**Projects**

Experiments with various woods for paper pulp—E. SUTERMEISTER, at Madison, Wis.

The refining and grading of wood turpentines and the methods of turpentine analysis—L. F. HAWLEY and E. BATEMAN, both at Madison, Wis.

Installation of wood-pulp, chemical, and wood-distillation laboratories—H. E. SURFACE.

**WOOD TECHNOLOGY**

H. D. TIEMANN, in Charge, Washington, D. C.

**Projects**

Design of apparatus for drying and humidifying wood—H. D. TIEMANN.

Determination of the effect of different processes of drying upon the properties of wood—H. D. TIEMANN.

**MAINTENANCE**

W. H. KEMPFER, in Charge, Madison, Wis.

**WOOD UTILIZATION**

H. S. SACKETT, in Charge, Fisher Building, Chicago, Ill.

**PROJECTS**

[The figures in the studies below indicate the number of the project.]

Study of the wood-using industries of North Carolina, in cooperation with the North Carolina Geological and Economic Survey (2)—R. E. SIMMONS, Washington, D. C.

Study of the wood-using industries of Kentucky, in cooperation with the State Board of Agriculture, Forestry, and Immigration (3)—R. E. SIMMONS, Washington, D. C.

Study of the wood-using industries of Illinois (4)—R. E. SIMMONS, Washington, D. C.

Study of the wood-using industries of Wisconsin, in cooperation with the State Board of Forestry (5)—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

Collection of wholesale lumber prices in the markets (6)—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

Collection of wholesale lumber prices f. o. b. mills (7)—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

Preparation of a market report for Chicago, Ill. (8)—FRANKLIN H. SMITH, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Maryland, in cooperation with the State Board of Forestry (10)—HU MAXWELL, Washington, D. C.

Study of woods which may be used as substitutes for the southern junipers in the manufacture of lead pencils (14)—H. S. SACKETT, Fisher Building, Chicago, Ill.

Collection of statistics covering the kind and quantity of preservatives used in the United States during 1909; their sources and the classes of material on which they were used (15)—H. S. SACKETT, Fisher Building, Chicago, Ill.

Study of the woods which may be used in the manufacture of bobbins and shuttles (16)—H. S. SACKETT, Fisher Building, Chicago, Ill.

Preparation of reports upon the uses of the principal commercial woods—HU MAXWELL, Washington, D. C.; W. L. HALL, Washington, D. C.

Study of the methods of hickory manufacture and utilization—C. F. HATCH, Fisher Building, Chicago, Ill.

Study of the mine-roller industry in the United States—C. F. HATCH, Fisher Building, Chicago, Ill.

# D I S T R I C T S

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## DISTRICT 1

Montana, northeastern Washington, northern Idaho, northwestern South Dakota, northern Michigan, northern Minnesota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

**W. B. GREELEY**, District Forester.

**F. A. SILCOX**, Associate District Forester.

**W. M. AIKEN**, District Law Officer.

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## ACCOUNTS

**H. I. LOVING**, District Fiscal Agent.

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## OPERATION

**R. H. RUTLEDGE**, Assistant District Forester.

**J. P. MARTIN**, Assistant District Forester.

**E. W. KRAMER**, District Engineer.

Maintenance, **R. J. MOORE**.

## SILVICULTURE

**R. Y. STUART**, Assistant District Forester.

**D. T. MASON**, Assistant District Forester.

**Timber Sales**, Assistant District Foresters in Silviculture.

## PROJECTS

**Idaho**—

Timber-sale work, Coeur d'Alene National Forest—**C. H. GREGORY**, Lumberman, Wallace.

**Montana—**

Instructing supervisors and rangers in scaling methods—G. L. COTT, Lumberman, Missoula.

Examination of timber, Deerlodge National Forest—J. S. BAIRD, Lumberman, Anaconda; assistants, A. A. SAUNDERS, J. L. COBBS, R. T. FERGUSON, H. EDWARDS, FRANK THOMPKINS, R. W. MCKNIGHT, R. P. PRICHARD, and L. C. STOCKDALE.

Northern Pacific estimates—KARL W. WOODWARD, Missoula, Mont.; F. A. GAYLORD, Sandpoint, Idaho; C. JONES, Newport, Wash., and F. B. BRUNYATE, Wallace, Idaho.

**Planting**, Assistant District Foresters in Silviculture.

**Silvics**, Assistant District Foresters in Silviculture.

**Cooperation**, Bureau of Entomology.

**PROJECT**

Location of insect-infested timber and determination of methods of local control—JOSEF BRUNNER, Field Agent, Bureau of Entomology, Columbia Falls, Mont.

**GRAZING**

C. H. ADAMS, Assistant District Forester.

W. S. PERRINE, Assistant District Forester.

**PRODUCTS****PROJECTS****Wood Preservation—**

Construction and experimental operation of a wood-preserving plant for treating fence posts and other ranch timbers, in cooperation with the Bitter Root Stock Farm—P. R. HICKS, Missoula, Mont.

Construction and experimental operation of a wood-preserving plant for treating ties, mine timbers, and telephone poles, in cooperation with the Anaconda Copper Mining Company—P. R. HICKS, Missoula, Mont.

**NATIONAL FORESTS****IDAHO**

**Beaverhead**—See Montana.

**Clearwater**—F. A. FENN, Forest Supervisor, Kooskia (WU-N); EDW. C. THENON, Deputy Forest Supervisor.

**Coeur d'Alene**—W. G. WEIGLE, Forest Supervisor, Wallace (WU-Am, N); W. W. MORRIS, Forest Assistant.

**Kaniksu**—See Washington.

**Nezperce**—GEO. V. RING, Forest Supervisor, Grangeville (WU-Am); J. ARTHUR BROWN, Deputy Forest Supervisor.

**Pend Oreille**—J. E. BARTON, Forest Supervisor, Sandpoint (WU-Am, N, W); EDW. G. STAHL, Deputy Forest Supervisor.

## MICHIGAN

Michigan }—S. M. HIGGINS, Acting Forest Supervisor, Au Sable (WU-Am).  
 Marquette }—S. M. HIGGINS, Acting Forest Supervisor, Au Sable (WU-Am).

## MINNESOTA

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake (WU-Am, GN); J. ST. J. BENEDICT, Forest Assistant.

Superior—J. A. FITZWATER, Acting Forest Supervisor, Ely (WU-GN); JAMES A. HOWARTH, Jr., Forest Assistant.

## MONTANA

Absaroka—V. GIFFORD LANTRY, Forest Supervisor, Livingston (WU-Am, N); ELMER R. BRUNKE, Deputy Forest Supervisor.

Beartooth—J. F. PRESTON, Acting Forest Supervisor, Red Lodge (WU-Am, N).

Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon (WU-Am); SCOTT LEAVITT, Deputy Forest Supervisor.

Bitterroot—W. W. WIIITE, Forest Supervisor, Missoula (WU-Am, N); M. N. STICKNEY, Deputy Forest Supervisor.

Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell (WU-Am, GN); R. P. McLAUGHLIN, Deputy Forest Supervisor; C. N. WHITNEY, Forest Assistant.

Cabinet—RALPH H. BUSHNELL, Forest Supervisor, Thompson Falls (WU-Am, N).

Custer—GLEN A. SMITH, Forest Supervisor, Ashland (WU via Crow Agency-Am, N via Forsyth).

Deerlodge—C. C. HALL, Forest Supervisor, Anaconda (P-Am, N); HARRY C. SCHICK, Deputy Forest Supervisor; F. S. PATTON, Forest Assistant.

Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell (WU-Am, GN); JOHN H. CLACK, Deputy Forest Supervisor.

Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman (WU-Am, N); W. B. PIPER, Forest Examiner.

Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena (WU-Am, N); J. D. WANNER, Deputy Forest Supervisor; G. B. McDONALD, Forest Assistant.

Jefferson—J. B. SEELY, Forest Supervisor, Great Falls (WU-Am, N); WELLMAN HOLBROOK, Deputy Forest Supervisor; HENRY H. FARQUHAR, Forest Assistant.

Kootenai—DORR SKEELS, Forest Supervisor, Libby (WU-Am, GN); RUTLEDGE PARKER, Deputy Forest Supervisor.

Lewis and Clark—W. H. DAUGS, Forest Supervisor, Chouteau (WU via Collins-Am, GN via Collins).

Lolo—ELERS KOCH, Forest Supervisor, Missoula (WU, P-Am, N); THOS. C. SPAULDING, Deputy Forest Supervisor; E. C. CLIFFORD, Forest Assistant.

Madison—CLIFTON W. HUDSON, Forest Supervisor, Sheridan (WU-Am, N); E. D. FLETCHER, Forest Expert.

Missoula—D. G. KINNEY, Forest Supervisor, Missoula (WU, P-Am, N); RUSSELL G. POND, Deputy Forest Supervisor.

Sioux—See South Dakota.

NORTH DAKOTA

**Dakota**—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (WU via Belle-fourche-Am via Bellefourche); H. E. FEGLY, Forest Assistant.

SOUTH DAKOTA

**Sioux**—C. A. BALLINGER, Forest Supervisor, Camp Crook (WU via Bellefourche-Am via Bellefourche); H. E. FEGLY, Forest Assistant.

WASHINGTON

**Kaniksu**—W. N. MILLAR, Forest Supervisor, Newport (WU-Am, GN); Wm. C. LATANE, Forest Assistant.

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**DISTRICT 2**

Colorado, Wyoming, South Dakota, Nebraska, and western Kansas.

Office, Majestic Building, Denver, Colo.

**SMITH RILEY**, District Forester.

**P. G. REDINGTON**, Associate District Forester.

**GEO. E. TROWBRIDGE**, District Law Officer.

**J. F. LAWSON**, Assistant District Law Officer.

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**ACCOUNTS**

**JOHN A. URBANOWICZ**, District Fiscal Agent.

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**OPERATION**

**FRED W. MORRELL**, Assistant District Forester.

**C. J. STAHL**, Assistant District Forester.

**NILE HUGHEL**, District Engineer.

Maintenance, **F. B. AGEE**.

**SILVICULTURE**

**A. K. CHITTENDEN**, Assistant District Forester.

**S. L. MOORE**, Assistant District Forester.

**Timber Sales**, Assistant District Foresters in Silviculture.

Planting, **L. C. MILLER**.

Silvics, **C. G. BATES**.

**PROJECT****Colorado—**

Fremont Experiment Station, meteorological, planting, and other experiments—  
WILLIAM D. HAYES, in charge, L. C. CHAPMAN, assistant, Manitou.

Cooperation, Bureau of Entomology.

**PROJECT**

Location of insect-infested timber and determination of methods of local control—  
W. D. EDMONSTON, detailed from the Forest Service, Burns, Colo.

**GRAZING**

J. W. NELSON, Assistant District Forester.  
E. N. KAVANAGH, Assistant District Forester.

**PRODUCTS**

H. S. BETTS, Assistant District Forester.

**PROJECTS****Timber Tests—**

Timber-testing laboratory in cooperation with the University of Colorado, Boulder, Colo.—N. DEW. BETTS, in charge; assistants, A. D. WOLFF and H. V. BLANK.

Tests on round timbers of various Rocky Mountain species, including mine timbers, in cooperation with the Northern Coal and Coke Company, Rocky Mountain Fuel Company, and various National Forests.

Tests on western red cedar, lodgepole pine, and Engelmann spruce telephone poles, in cooperation with the South Platte Power Company, Central Colorado Power Company, and the Colorado Telephone Company.

**Wood Preservation—**

Construction and experimental operation of a portable wood-preserving plant on the Routt National Forest—H. M. MASON, Jr., Denver, Colo.

Study of wood-preservation methods for permanent improvement work on National Forests in District 2—D. L. CARMODY and H. M. MASON, Jr., Denver, Colo.

**Wood Utilization—**

Study of wood-using industries in District 2—D. L. CARMODY and H. M. MASON, Jr., Denver, Colo.

Study of the box industry in Colorado—N. DEW. BETTS, Boulder, Colo.

**NATIONAL FORESTS****COLORADO**

**Arapaho**—C. G. POOLE, Forest Supervisor, Fraser (WU-Ad); LEE E. COOPER, Deputy Forest Supervisor.

**Battlement**—JOHN W. LOWELL, Jr., Acting Forest Supervisor, Collbran (WU-WF, G).

Cochetopa—EUGENE WILLIAMS, Forest Supervisor, Saguache (WU-G).  
 Gunnison—WM. R. KREUTZER, Forest Supervisor, Gunnison (WU-WF, G); E. C. BERKY, Deputy Forest Supervisor; STANLEY B. HALL, Forest Assistant.  
 Hayden—See Wyoming.  
 Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs (WU-WF, G); ALBERT H. MILLER, Deputy Forest Supervisor.  
 La Sal—See Utah, District 4.  
 Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta (WU-G).  
 Leadville—THEODORE SHOEMAKER, Forest Supervisor, Leadville (WU, P-WF, G); R. E. CLARK, Deputy Forest Supervisor; J. E. MARTIN, Forest Assistant.  
 Medicine Bow—H. N. WHEELER, Forest Supervisor, Fort Collins (WU-WF); H. B. HOLROYD, Deputy Forest Supervisor.  
 Montezuma—RESS PHILLIPS, Forest Supervisor, Mancos (WU-G).  
 Pike—C. M. GRANGER, Acting Forest Supervisor, Denver (WU, P-Ad, Am, G, US, WF); W. I. HUTCHINSON, Forest Assistant; Monument Nursery—W. SCHRADER, Forest Planting Assistant, Monument.  
 Rio Grande—A. L. STROUP, Forest Supervisor, Monte Vista (WU-G); WALTER F. BOWERS, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.  
 Routt—J. H. RATLIFF, Forest Supervisor, Steamboat Springs (WU-Ad); P. J. PAXTON, Forest Assistant.  
 San Isabel—J. N. LANGWORTHY, Forest Supervisor, Westcliffe (WU-G); M. B. WILLEY, Deputy Forest Supervisor.  
 San Juan—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G); A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.  
 Sopris—JOHN McLAREN, Forest Supervisor, Aspen (WU-WF, G); THOS. C. HATTON, Deputy Forest Supervisor.  
 Uncompahgre—HENRY L. SPENCER, Forest Supervisor, Delta (WU-G); HOWARD S. BUSHNELL, Deputy Forest Supervisor; J. H. RAMSKILL, Forest Assistant.  
 White River—JAMES A. BLAIR, Forest Supervisor, Meeker (WU-WF, G).

#### KANSAS

Kansas—B. R. H. d'ALLEMAND, Forest Supervisor, Garden City (WU, P-WF); Garden City Nursery.

#### NEBRASKA

Nebraska—H. R. SHOCKLEY, Acting Forest Supervisor, Halsey (WU-Ad); Halsey Nursery—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

#### SOUTH DAKOTA

Black Hills—PAUL D. KELLETER, Forest Supervisor, Deadwood (WU-Ad, Am); JOHN MURDOCH, Jr., and G. A. DUTHIE, Forest Assistants.

#### WYOMING

Bighorn—W. E. JACKSON, Forest Supervisor, Sheridan (WU-Ad); HERBERT GRAFF, Deputy Forest Supervisor.  
 Bonneville—FOSTER STEELE, Acting Forest Supervisor, Pinedale (WU-Am); H. EARL FRENCH, Deputy Forest Supervisor.

**Cheyenne**—P. S. LOVEJOY, Forest Supervisor, Laramie (WU, P-Am); JOHN E. STEPHENS, Deputy Forest Supervisor; R. A. STRETCH and G. W. HENDRY, Forest Assistants.

**Hayden**—JAMES BLACKHALL, Forest Supervisor, Encampment (WU, P-Am); ARTHUR M. COOK, Deputy Forest Supervisor.

**Shoshone**—H. W. THURSTON, Forest Supervisor, Cody (WU-Ad).

**Sundance**—LOUIS KNOWLES, Acting Forest Supervisor, Sundance (WU-Ad, Am).

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## DISTRICT 3

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

**A. C. RINGLAND**, District Forester.

**E. H. CLAPP**, Associate District Forester.

**BLAKE FRANKLIN**, District Law Officer.

R. F. FEAGANS, Assistant District Law Officer.

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## ACCOUNTS

**J. J. DUFFY**, District Fiscal Agent.

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## OPERATION

**A. O. WAHA**, Assistant District Forester.

**A. S. PECK**, Assistant District Forester.

**Maintenance**, W. B. BUNTON.

## SILVICULTURE

**T. S. WOOLSEY**, Jr., Assistant District Forester.

**A. B. RECKNAGEL**, Assistant District Forester.

## PROJECTS

**Arizona**—

Collection of data for volume and growth study of woodland species—L. L. JANES, Ashfork.

Inspection of reconnaissance—J. H. ALLISON, Flagstaff.

Preparation of working plan reports for Prescott and Sitgreaves National Forests—D. W. ADAMS, Hot Springs, Ark.

**Arkansas—**

Reconnaissance of the Arkansas National Forest—D. W. ADAMS, in charge; assistants, C. J. HELLER, H. L. JOHNSON, T. B. LONGWELL, H. E. POWELL, and DAVE WINBRAY, Womble.

**Florida—**

Reconnaissance of the Choctawhatchee National Forest—A. B. RECKNAGEL, in charge; assistants, J. M. BRISCOE, P. D. EDMUNDS, R. G. MERRITT, T. F. WELLS, and P. P. PITCHLYNN, De Funiak Springs.

**New Mexico—**

Check scaling and sale administration on the Gila National Forest—NELSON L. LE GRAND, Scaler, Silver City.

Check scaling on the Datil National Forest—A. A. WYNNE, Magdalena.

Silvics, Coconino Forest Experiment Station—G. A. PEARSON, in charge; assistant, H. D. BURRALL, Flagstaff, Ariz.

**GRAZING**

J. K. CAMPBELL, Assistant District Forester.

JOHN KERR, Assistant District Forester.

**NATIONAL FORESTS****ARIZONA**

**Apache**—JOHN D. GUTHRIE, Forest Supervisor, Springerville (WU, P-WF); ALDO LEOPOLD, Forest Assistant.

**Chiricahua**—A. H. ZACHAU, Forest Supervisor, Portal (WU, P-WF).

**Coconino**—FRANK C. W. POOLER, Forest Supervisor, Flagstaff (WU, P-WF); WIL-LARD M. DRAKE, Deputy Forest Supervisor; E. H. CRABB, Deputy Forest Supervisor; J. C. KIRCHER, Forest Assistant.

**Coronado**—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); ROBERT L. ROGERS, Deputy Forest Supervisor.

**Crook**—T. T. SWIFT, Forest Supervisor, Safford (WU-WF).

**Garces**—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); ROBERT L. ROGERS, Deputy Forest Supervisor.

**Prescott**—C. H. HINDERER, Forest Supervisor, Prescott (WU-WF); J. C. McNELTY, Deputy Forest Supervisor.

**Sitgreaves**—A. J. MACKAY, Forest Supervisor, Snowflake (WU, P-WF).

**Tonto**—R. G. WILLSON, Forest Supervisor, Roosevelt (WU-WF); CHAS. H. JENNINGS, Deputy Forest Supervisor.

**Zuni**—See New Mexico.

**ARKANSAS**

**Arkansas**—S. J. RECORD, Forest Supervisor, Hot Springs (WU-WF); S. A. CHAP-PELL, Deputy Forest Supervisor.

**Ozark**—FRANCIS KIEFER, Forest Supervisor, Harrison (WU-WF); RALPH C. HUEY, Deputy Forest Supervisor.

## FLORIDA

**Choctawhatchee**} I. F. ELDREDGE, Forest Supervisor, De Funiak Springs; W. F. Ocala } HILL, Deputy Forest Supervisor.

## NEW MEXICO

**Alamo**—ARTHUR M. NEAL, Forest Supervisor, Alamogordo (WU, P-WF).

**Carson**—ROSS McMILLAN, Forest Supervisor, Antonito, Colo. (WU-G); FREDERICK R. STARR, Forest Assistant.

**Chiricahua**—See Arizona.

**Datil**—W. H. GODDARD, Forest Supervisor, Magdalena (WU, P-WF); R. F. BALTHIS, Deputy Forest Supervisor.

**Gila**—DOUGLAS RODMAN, Forest Supervisor, Silver City (WU-WF); DON P. JOHNSTON, Deputy Forest Supervisor; BARRINGTON MOORE, Forest Assistant; Fort Bayard Nursery—H. C. TURNER, Forest Planting Assistant.

**Jemez**—FRANK E. ANDREWS, Forest Supervisor, Santa Fe (WU, P-WF); B. M. THOMAS, Deputy Forest Supervisor.

**Lincoln**—J. A. KINNEY, Forest Supervisor, Capitan (WU, P-WF).

**Manzano**—W. R. MATTOON, Forest Supervisor, Albuquerque (WU, P-WF); JAMES F. MULLEN, Deputy Forest Supervisor.

**Pecos**—THOS. R. STEWART, Forest Supervisor, Santa Fe (WU, P-WF); HUGH G. CALKINS, Deputy Forest Supervisor; Las Gallinas Nursery—A. HEDRICKS, Forest Planting Assistant.

**Zuni**—A. D. READ, Forest Supervisor, Gallup (WU, P-WF); FREDERIC WINN, Deputy Forest Supervisor.

## OKLAHOMA

**Wichita**—FRANK RUSH, Game Warden, in charge, Caehe (WU-WF).

## DISTRICT 4

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and north-western Arizona.

Forest Service Building, Ogden, Utah.

**E. A. SHERMAN**, District Forester.

**FRANKLIN W. REED**, Associate District Forester.

W. C. HENDERSON, District Law Officer.

A. W. JENSEN, Assistant District Law Officer.

## ACCOUNTS

Q. R. CRAFT, District Fiscal Agent.

## OPERATION

R. P. IMES, Assistant District Forester.  
 E. H. CLARKE, Assistant District Forester.  
 A. T. MITCHELSON, District Engineer.

Maintenance, FELIX T. MOORE.

## SILVICULTURE

L. L. WHITE, Assistant District Forester.  
 O. M. BUTLER, Assistant District Forester.

Timber Sales, Assistant District Foresters in Silviculture.

## PROJECTS

### Arizona—

Reconnaissance of Kaibab National Forest, D. M. LANG, in charge; assistants, L. CROWELL, NILS B. ECKBO, SIDNEY S. STEWART, REESE W. TAYLOR, JOHN E. INGRAM, and R. ROSENBLUTH.

### Idaho—

Preparation of map and reconnaissance report of timber on Sawtooth National Forest—C. P. WILBER, Ogden, Utah.

Planting, J. M. FETHEROLF.  
 Silvics, E. R. HODSON.

## GRAZING

HOMER E. FENN, Assistant District Forester.  
 A. C. McCAIN, Assistant District Forester.  
 G. G. BENTZ, Assistant District Forester.

## SUPPLY DEPOT

A. M. SMITH, Property Clerk.

## PROPERTY AUDIT

J. G. FALCK, Property Auditor.

## NATIONAL FORESTS

### ARIZONA

Dixie—See Utah.

Kaibab—JOHN H. CLARK, Forest Supervisor, Kanab, Utah (WU-WF); DANIEL K. JUDD, Deputy Forest Supervisor.

## IDAHO

**Boise**—E. GRANDJEAN, Forest Supervisor, Boise (WU-Am).  
**Cache**—See Utah.  
**Caribou**—N. E. SNELL, Forest Supervisor, Idaho Falls (WU-Am); L. J. PHELAN, Deputy Forest Supervisor; JAMES H. JOHNSON, Grazing Assistant.  
**Challis**—DAVID LAING, Forest Supervisor, Challis (WU-Am).  
**Idaho**—HENRY A. BERGH, Forest Supervisor, McCall (WU-P).  
**Lemhi**—C. I. HUDDLE, Forest Supervisor, Mackay (WU-Am).  
**Minidoka**—WM. MCCOY, Forest Supervisor, Oakley (WU-Am).  
**Payette**—GUY B. MAINS, Forest Supervisor, Emmett (WU-Am); CARL B. ARENTSON, Deputy Forest Supervisor.  
**Pocatello**—J. F. BRUINS, Acting Forest Supervisor, Pocatello (WU-Am); A. L. BROWER, Forest Assistant; Pocatello Nursery—P. T. WRENSTED, Forest Ranger.  
**Salmon**—JAMES M. RYAN, Forest Supervisor, Salmon (WU-Am); JOHN A. PEARSON, Deputy Forest Supervisor; F. T. MCLEAN, and C. P. WILBER, Forest Assistants.  
**Sawtooth**—C. N. WOODS, Forest Supervisor, Hailey (WU-Am); H. G. MCPHETERS, Deputy Forest Supervisor; FRANK J. RYDER, Forest Assistant.  
**Targhee**—DAVID BARNETT, Forest Supervisor, St. Anthony (WU-Am); CHESTER B. MORSE, Deputy Forest Supervisor.  
**Targhee** (Palisade)—DAN S. PACK, Forest Supervisor, St. Anthony (WU-Am); ULRICH C. POGGE, Deputy Forest Supervisor; CHARLES A. BEAM, Deputy Forest Supervisor.  
**Weiser**—J. B. LAFFERTY, Forest Supervisor, Weiser (WU-Am); W. M. CAMPBELL, Deputy Forest Supervisor; A. E. OMAN, Forest Assistant.

## NEVADA

**Humboldt**—C. SYDNEY TREMEWAN, Forest Supervisor, Elko (WU-WF); W. W. BLAKESLEE, Deputy Forest Assistant.  
**Moapa**—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas (WU-WF).  
**Nevada**—R. F. MATHIAS, Forest Supervisor, Ely (WU-WF); CHAS. F. PATTERSON, Deputy Forest Supervisor; RUDOLPH DIEFFENBACH, Forest Assistant.  
**Toiyabe**—M. S. BENEDICT, Forest Supervisor, Austin (WU, P-WF); JAMES L. PELTON, Deputy Forest Supervisor.

## UTAH

**Ashley**—W. M. ANDERSON, Forest Supervisor, Vernal (WU-WF).  
**Cache**—CLINTON G. SMITH, Forest Supervisor, Logan (WU-Am); J. E. ROTHERY, Deputy Forest Supervisor.  
**Dixie**—JAMES E. JEWELL, Forest Supervisor, St. George (WU-WF).  
**Fillmore**—WM. HURST, Forest Supervisor, Beaver (WU-WF); GEORGE C. THOMPSON, Deputy Forest Supervisor.  
**Fishlake**—CHARLES L. SMITH, Forest Supervisor, Salina (WU-WF); OLUF G. NIELSON, Deputy Forest Supervisor.

**La Sal**—JOHN RIIS, Forest Supervisor, Moab (WU-WF).

**Manti**—A. W. JENSEN, Forest Supervisor, Ephraim (WU-WF); ERNEST WINKLER, Deputy Forest Supervisor; PARLEY CHRISTIANSEN, Grazing Assistant.

**Minidoka**—See Idaho.

**Nebo**—H. F. STUDLEY, Acting Forest Supervisor, Nephi (WU-WF).

**Pocatello**—See Idaho.

**Powell**—GEO. H. BARNEY, Forest Supervisor, Escalante (WU-WF).

**Sevier**—O. C. SNOW, Forest Supervisor, Panguitch (WU-WF); FRANK W. SEAMAN, Deputy Forest Supervisor.

**Uinta**—W. I. PACK, Forest Supervisor, Provo (WU-WF); W. JONES BOWEN, Grazing Assistant.

**Wasatch**—R. V. R. REYNOLDS, Forest Supervisor, Salt Lake City (WU, P-Am, WF);

Wasatch Nursery—N. J. FETHEROLF, Forest Planting Assistant.

#### WYOMING

**Ashley**—See Utah.

**Caribou**—See Idaho.

**Targhee**—See Idaho.

**Teton**—R. E. MILLER, Forest Supervisor, Jackson (WU-Am).

**Wyoming**—JOHN RAPHAEL, Forest Supervisor, Afton (WU-Am); H. E. WOOLLEY, Deputy Forest Supervisor; GLIDDEN J. BARSTOW, Grazing Assistant.

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## DISTRICT 5

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

**F. E. OLMSTED**, District Forester.

**COERT DUBOIS**, Associate District Forester.

H. P. DECHANT, District Law Officer.

L. A. BARRETT, Chief of Claims.

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## ACCOUNTS

CLARENCE WILEY, District Fiscal Agent.

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## OPERATION

ROY HEADLEY, Assistant District Forester.

R. F. HAMMATT, Assistant District Forester.

Maintenance, M. R. TILLOTSON.

## SILVICULTURE

T. D. WOODBURY, Assistant District Forester.

**Timber Sales**, Assistant District Forester in Silviculture.

### PROJECTS

Examination of timber trespass and of proposed sale areas in the Lassen National Forest—C. H. ENSIGN, Lumberman, Red Bluff, Cal.

Examination of proposed sale areas on the Plumas National Forest—PATRICK KENNEDY and J. C. ELLIOTT, Lumbermen, Quincy, Cal.

A study of eucalypts in the Hawaiian Islands in cooperation with the territorial Forester—L. MARGOLIN, Honolulu, Hawaii.

**Planting**, C. A. KUPFER.

### PROJECTS

Examination of proposed planting sites on the Santa Barbara National Forest—C. A. KUPFER, Santa Barbara, Cal.

Installation of a coniferous nursery on the Shasta National Forest—N. O. TORS-TENSON, Planting Assistant, Sisson, Cal.

**Silvics**, Assistant District Forester in Silviculture.

## GRAZING

JOHN H. HATTON, Assistant District Forester.

M. B. ELLIOTT, Assistant District Forester.

### PRODUCTS

C. S. SMITH, Assistant District Forester.

### PROJECTS

#### **Timber Tests**—

Testing laboratory in cooperation with the University of California, Berkeley, Cal.—A. L. HEIM, in charge; assistant, G. R. GESSERT.

Tests on redwood in cooperation with the California Redwood Association.

#### **Wood Preservation**—

Experiments to determine the best methods of seasoning *Eucalyptus globulus* poles, logs, and lumber, in cooperation with the estate of Adolph Sutro, the Pacific Land Investment Company, the Mount Tamalpais Cemetery Association, the Parkside Realty Company, and the Pioneer Wood Company; and *Eucalyptus viminalis* logs, in cooperation with the University of California—C. STOWELL SMITH, San Francisco, Cal.

Study of conditions found in the mines of California, with a view to recommending cooperation in the preservative treatment of mine timbers—C. STOWELL SMITH, San Francisco, Cal.

Design of treating plant and seasoning yard for telephone poles for the Pacific Telephone and Telegraph Company—C. STOWELL SMITH, San Francisco, Cal.

Experiments to determine the relative resistance to marine wood borers of different species of untreated timber and of Douglas fir treated by various preservatives and coatings—A. K. ARMSTRONG, San Francisco, Cal.

### NATIONAL FORESTS

#### CALIFORNIA

**Angeles**—R. H. CHARLTON, Forest Supervisor, Los Angeles (WU, P-WF); ERNEST B. LONG, Deputy Forest Supervisor; J. M. GRANT, Forest Expert, in charge of planting operations; SEROPE Y. PARNAY, Forest Planting Assistant, San Bernardino.

**California**—ERNEST BRITTEN, Forest Supervisor, Willows (P-WF); N. B. DREW, Deputy Forest Supervisor; ALLAN H. HODGSON, Forest Assistant.

**Cleveland**—H. A. E. MARSHALL, Forest Supervisor, San Diego (WU, P-WF); PERCY L. DAY, Deputy Forest Supervisor; F. L. RICKEY, Planting Assistant.

**Inyo**—A. H. HOGUE, Forest Supervisor, Bishop (WU-WF); JOHN D. COFFMAN, Forest Assistant.

**Klamath**—R. L. FROMME, Forest Supervisor, Yreka (P-WF); J. R. HALL, Deputy Forest Supervisor; SHIRLEY W. ALLEN, Forest Assistant.

**Lassen**—L. A. H. KLING, Forest Supervisor, Red Bluff (P-WF); J. C. LA PLANT, Deputy Forest Supervisor; HENRY L. BOLDENWECK, Forest Agent.

**Modoc**—C. E. RACHFORD, Forest Supervisor, Alturas (P-WF); VERNON L. BONNER, Deputy Forest Supervisor; BELKNAP C. GOLDSMITH, Forest Assistant.

**Mono**—See Nevada.

**Monterey**—RAYMOND TYLER, Forest Supervisor, Salinas (WU-WF).

**Plumas**—D. N. ROGERS, Forest Supervisor, Quincy (WU-WF); W. G. DURBIN, Deputy Forest Supervisor; R. S. MADDOX, Forest Assistant.

**Santa Barbara**—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara (P-WF); H. G. MERRILL, Deputy Forest Supervisor.

**Sequoia**—ALLAN B. PATTERSON, Forest Supervisor, Hot Springs, Tulare County (WU via Porterville-WF); W. C. BURTON, Deputy Forest Supervisor.

**Shasta**—W. B. RIDER, Forest Supervisor, Sisson (P-WF); PHILIP T. HARRIS, Deputy Forest Supervisor.

**Sierra**—C. H. SHINN, Forest Supervisor, Northfork (WU via Fresno-WF); M. A. BENEDICT, Deputy Forest Supervisor; H. J. TOMPKINS, Forest Assistant.

**Stanislaus**—R. W. AYRES, Forest Supervisor, Sonora (WU-WF); J. V. WULFF, Forest Assistant.

**Tahoe**—R. L. P. BIGELOW, Forest Supervisor, Nevada City (WU-WF); M. B. PRATT, Deputy Forest Supervisor; J. ALFRED MITCHELL, Forest Assistant.

**Trinity**—F. H. HAFLEY, Forest Supervisor, Weaverville (WU-WF); W. A. HUESTIS, Deputy Forest Supervisor; ERNEST V. JOTTER, Forest Assistant.

#### NEVADA

**Inyo**—See California.

**Mono**—WM. M. MAULE, Forest Supervisor, Gardnerville (WU-WF).

**Tahoe**—See California.

## DISTRICT 6

Washington, Oregon, and Alaska.

Office, Beck Building, Portland, Oreg.

**C. S. CHAPMAN**, District Forester.

**GEO. H. CECIL**, Associate District Forester.

W. F. STALEY, District Law Officer.

D. F. McGOWAN, Assistant District Law Officer.

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### ACCOUNTS

A. H. COUSINS, District Fiscal Agent.

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### OPERATION

C. H. FLORY, Assistant District Forester.

C. J. BUCK, Assistant District Forester.

W. E. HERRING, District Engineer.

**Maintenance**, SHIRLEY BUCK.

### SILVICULTURE

F. E. AMES, Assistant District Forester.

C. S. JUDD, Assistant District Forester.

**Timber Sales**, Assistant District Foresters in Silviculture.

### PROJECTS

#### Oregon—

Examination of proposed sale areas on the Crater National Forest—D. L. MCKAY, Scaler, Medford.

#### Washington—

Scaling on the Snoqualmie National Forest—EDWIN C. ERICKSON, Scaler, Fortson.

Examination of proposed sale areas on the Rainier National Forest—J. P. HUGHES, Lumberman, Orting.

**Planting**, J. F. KÜMMEL.

**Silvics**, T. T. MUNGER.

### GRAZING

H. K. O'BRIEN, Assistant District Forester.

T. P. MACKENZIE, Assistant District Forester.

## PRODUCTS

J. B. KNAPP, Assistant District Forester.

### PROJECTS

#### **Timber Tests—**

Testing laboratory in cooperation with the University of Washington, Seattle, Wash.—O. P. M. GOSS, in charge; assistant, C. W. ZIMMERMAN.

Tests of treated Douglas fir in cooperation with the Pacific Creosoting Company.

Tests of fire-killed Douglas fir in cooperation with the Clarke County Timber Company and the Eastern and Western Lumber Company.

#### **Wood Preservation—**

Preliminary report on the economy of the preservative treatment of mine timbers used by the Tacoma Steel Company—H. B. OAKLEAF, Portland, Oreg.

Preliminary report on the economy of the preservative treatment of poles and ties used by the Tacoma Railway and Power Company—H. B. OAKLEAF, Portland, Oreg.

#### **Wood Utilization—**

Study of the box industry in the Pacific Northwest—JOHN F. SULLIVAN, Portland, Oreg.

Study of the market for and uses of forest products at Spokane, Wash.—JOHN F. SULLIVAN, Spokane, Wash.

## NATIONAL FORESTS

### ALASKA

**Chugach**—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP);  
LAGE WERNSTEDT, Forest Assistant.

**Tongass**—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP);  
LAGE WERNSTEDT, Forest Assistant.

### CALIFORNIA

**Crater**—See Oregon.

**Siskiyou**—See Oregon.

### OREGON

**Cascade**—C. R. SEITZ, Forest Supervisor, Eugene (WU, P-WF); J. R. HARVEY, Deputy Forest Supervisor; E. B. STARR, Forest Assistant.

**Crater**—M. L. ERICKSON, Forest Supervisor, Medford (WU, P-WF); S. S. SWENNING, Deputy Forest Supervisor; H. D. FOSTER and B. T. HARVEY, Forest Assistants.

**Deschutes**—A. S. IRELAND, Forest Supervisor, Prineville (PT & T-Am via Shaniko, WF via Shaniko); B. F. JOHNSON, Deputy Forest Supervisor.

**Fremont**—GUY M. INGRAM, Forest Supervisor, Lakeview (WU via Klamath Falls-WF); G. D. BROWN, Deputy Forest Supervisor.

**Malheur**—CY. J. BINGHAM, Forest Supervisor, John Day (WU via Baker City-Am, WF via Baker City).

Oregon—T. H. SHERRARD, Forest Supervisor, Portland (WU, P-Am, WF, N); RALPH S. SHIELLEY, Deputy Forest Supervisor; W. B. OSBORNE and MAX ROTHKUGEL, Forest Assistants.

Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass (WU, P-WF); N. F. McDUFF, Deputy Forest Supervisor; H. HAEFNER, Forest Assistant.

Siuslaw—A. E. COHOON, Forest Supervisor, Eugene (WU, P-WF); DAVID E. FIRTON, Deputy Forest Supervisor.

Umatilla—THOS. E. CHIDSEY, Forest Supervisor Heppner (WU-Am).

Umpqua—S. C. BARTRUM, Forest Supervisor, Roseburg (WU, P-WF); H. M. HALE, Deputy Forest Supervisor; E. H. McDANIELS, Forest Assistant.

Wallowa—H. W. HARRIS, Forest Supervisor, Wallowa (WU-Am); S. A. BROWN, Deputy Forest Supervisor; CHARLES BLACK, Grazing Assistant; E. O. SIECKE, Forest Assistant.

Wenaha—See Washington.

Whitman—HENRY IRELAND, Forest Supervisor, Sumpter (WU via Baker City-Am, WF via Baker City); M. L. MERRITT, Forest Assistant.

#### WASHINGTON

Chelan—G. W. MILHAM, Forest Supervisor, Chelan (PT. & T-Am, GN via Wenatchee); D. S. RICE, Deputy Forest Supervisor; D. B. REYNOLDS, Forest Assistant.

Columbia—HOMER ROSS, Acting Forest Supervisor, Portland, Oreg. (WU, P-Am, WF, N); A. R. WILCOX, Forest Assistant.

Colville—C. C. REID, Acting Forest Supervisor, Republic (WU, P-Am, GN); F. W. CLEATOR, Deputy Forest Supervisor.

Olympic—R. E. BENEDICT, Forest Supervisor, Olympia (WU-Am, GN, N); A. A. PARKER, Deputy Forest Supervisor.

Rainier—G. F. ALLEN, Forest Supervisor, Orting (WU-Am, N); H. L. HURD, Deputy Forest Supervisor; E. J. FENBY, Forest Assistant.

Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle (WU, P-N, GN, WF); E. T. CLARK, Deputy Forest Supervisor.

Washington—C. H. PARK, Forest Supervisor, Bellingham (WU, P-Am, GN, N); F. H. BRUNDAGE, Deputy Forest Supervisor.

Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla (WU-Am, N).

Wenatchee—A. H. SYLVESTER, Forest Supervisor, Leavenworth (WU-Am, GN); S. A. BLAKENSHIP, Deputy Forest Supervisor; C. P. WILLIS, Forest Assistant.

## SERVICE CHANGES IN MARCH

### APPOINTED

#### Silviculture—

SILVICS: GEORGES DES. CANAVARRO, Forest Assistant.

#### District 4—

OPERATION: Forest Guards—M. C. ALLEN, on the Sawtooth National Forest, and MARSHALL P. PAGE, on the Wyoming National Forest; Forest Guards (Hunters)—JAMES H. MCCLUNG, on the Salmon National Forest, ALBERT W. NORTON, JR., on the Sevier National Forest, and BENJAMIN F. WELCH, on the Wyoming National Forest; Forest Clerks—L. C. BLACKHALL, on the Targhee (Palisade) National Forest, CHARLES L. BLANCHARD, on the Teton National Forest, DAVID A. WEST on the Wasatch National Forest, and CHARLES G. CUNNINGHAME, on the Wyoming National Forest; HARRY A. BEAUVERD, Clerk, in the office of the Property Clerk, Ogden, Utah.

### CHANGE IN DESIGNATION

#### District 2—

OPERATION: ELMER E. STEPHENSON, from Deputy Forest Supervisor to Forest Ranger, White River National Forest.

SILVICULTURE: W. H. MAST, from Forest Supervisor to Forest Assistant, Nebraska National Forest.

### TRANSFERRED

#### Operation—

CLYDE LEAVITT, Assistant Forester, District 4 to Washington, D. C.

#### Silviculture—

STATE AND PRIVATE COOPERATION: LOUIS S. MURPHY: Forest Assistant, District 1 to Washington, D. C.

#### District 4—

OPERATION: JAMES L. PELTON, Deputy Forest Supervisor, from the Lemhi National Forest to the Toiyabe National Forest; JOHN A. PEARSON, Deputy Forest Supervisor, from the Challis National Forest to the Salmon National Forest; Miss VERONICA TEGETHOFF, Clerk, from the District Office to the Boise National Forest.

SILVICULTURE: ROBERT ROSENBLUTH, Forest Assistant, from the Philippine Service to the Kaibab National Forest; CHARLES P. WILBER, Forest Assistant, from the Sawtooth National Forest to the Salmon National Forest; JOHN K. KIDD, Forest Scaler, from the Salmon National Forest to District 3 (Albuquerque, N. Mex.).

### FURLoughed

#### District 5—

SILVICULTURE: G. M. HOMANS, Assistant District Forester.

### RESIGNED

#### District 2—

SILVICULTURE: RANDOLPH H. THOMPSON, Forest Assistant.

#### District 5—

LANDS: W. P. DYKEMA, Expert Miner.

# SERVICE NOTES FOR APRIL

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

## OFFICE OF THE FORESTER

### PUBLICATION.

#### **Modification of Field Program Directory—**

In future the Field Program will print the present full directory of Forest Service officers quarterly instead of monthly. The Field Programs of the intervening months will list only the changes which have taken place since the last quarterly Program. Thus, the April Field Program will serve as the Forest Service directory until July 1, but supplemented on May 1 and again on June 1 by a list of all changes which take place after the issue of the April Program. This plan will include both the Washington and the District offices and projects as well as personnel.

### LAW

#### **Grazing without Permit Still Indictable—**

On March 14 the Supreme Court of the United States affirmed the judgments of the district court for the southern district of California in the cases of *United States v. Grimaud* and *Cazajous* and *United States v. Inda*, wherein the district court sustained the demurrs of defendants to indictments alleging the grazing of sheep on the Sierra National Forest without a permit, in violation of Regulation 45 made and promulgated by the Secretary of Agriculture under authority of the act of June 4, 1897. It was alleged in the demurrs that the act of June 4, 1897, was unconstitutional in that it delegated to an executive officer, the Secretary of Agriculture, legislative authority and empowered him to create a criminal offense. The justices of the Supreme Court were evenly divided in opinion, four for affirmance and four for reversal of the decision of the district court, the ninth member of the court not sitting. No opinion was written.

While this action of the Supreme Court operates as an affirmance of the ruling of the district court in these particular cases, it is not to be taken as conclusive of the questions raised by the demurrs and will not prevent the enforcement of the law and regulations made thereunder as heretofore. All Forest officers should continue the vigorous enforcement of the regulations and the report of violations thereof as heretofore. When the questions raised by the above-stated defendants shall again be presented to the Supreme Court effort will be made by the Government to have the court consider them when all the justices are present in order that a final and binding decision may be rendered.

## OPERATION

### **Approval Letters—**

In order to save letter writing in the Washington and District offices, letters from the District Foresters to the Forester or from the supervisors to the District office which present questions simply requiring approval by the Forester or the District Forester should be accompanied by a carbon. Both the original letter and the carbon should bear, in the lower left-hand corner, the word "Approved" above the title of the approving officer, who will indicate his approval by signing and returning the carbon.

### **Subject Designation and Filing Involved—**

The addition of the letter X to the key initials of the originating Branches or Offices to show that correspondence is being handled temporarily by the Law Officer or the District Law Officer will be discontinued. Hereafter, when correspondence originating in another Branch or Office requires action by the Law Officer or the District Law Officer, all the essential papers in the case will be referred to the Law Officer or the District Law Officer and a memorandum of the reference placed in the folder, which will be retained in the file of the Branch or Office in which the case originated. The subsequent correspondence by the Law Officer or the District Law Officer will be designated and filed according to the subject classification prescribed for Law.

### **Revised Survey and Map Instructions—**

"Instructions for Making Forest Surveys and Maps" has been reissued for the calendar year 1910. It contains corrected astronomical tables and therefore supersedes the edition of 1907. Supervisors will be supplied through the Property Clerk at Ogden.

### **Identification of Maps and Packages—**

A great many maps and other articles are received in District offices from the supervisors without a memorandum showing by whom or for what purpose they are sent. This causes considerable delay and confusion, especially in the case of maps illustrating annual reports. All maps or packages mailed under separate cover should have a memorandum inclosed referring to the date and case designation of the letter explaining their purpose.

## SILVICULTURE

### **Use of Form 606 Made Optional—**

Hereafter, Form 606 need not be submitted by Forest Officers in charge of the scaling on timber sales unless they receive orders to the contrary from their supervisors. In submitting this form special care should be taken to indicate on the back the amount of timber cut but not yet scaled. It will usually be preferable, however, to use Form 820. Form 606 will not be reprinted when the present supply is exhausted.

### **Stumpage Rates—**

Hereafter a schedule of standard prices for saw timber and cordwood of average accessibility will be substituted for the present schedule of minimum stumpag

prices. Reports on standard prices will be required from supervisors and District Foresters on the same dates that reports on minimum prices have been required in the past. One purpose of the schedule of minimum prices was to prevent an undue lowering of the price of stumps through competition among supervisors for the same market. The position of the Forester on this point is now so thoroughly understood that it is felt the schedule need no longer be enforced; but care should be taken by supervisors whose forests are tributary to the same market that they do not interfere with one another's sales by selling timber at lower rates—accessibility and quality considered—than are charged on neighboring forests.

## GRAZING

### **Beginners on Forests which are not Fully Occupied—**

The instructions on page 21 of The Use Book issued January 1, 1910, restricting the number of stock allowed all beginners in any one year to 3 percent of the total allowance for the Forest, was not intended to apply to Forests which are not fully occupied and upon which the issuance of permits to beginners would not require a reduction on the permits of prior users. Therefore it has been modified to read as follows:

When the range within a National Forest is fully occupied and the issuance of permits to beginners will necessitate a reduction on the permits of prior users, the total number of stock allowed all beginners in any one year must not exceed 3 per cent of the total allowance for the Forest.

## LANDS

### **Act of June 11, 1906: Qualifications of Applicants—**

If an application is made for the listing of lands under the act of June 11, 1906, the Forest Service ordinarily will make no inquiry regarding the qualifications of the applicants, or in case of conflict no decision between applicants. All of the facts, however, will be forwarded to the Interior Department for decision on the question of priority if the lands covered by such applications are listed. The ability of the applicant to make a living from the land applied for should not be gone into. That is a question for the applicant to decide and not for the Forest Service to consider. All questions, such as remoteness, strength or health of applicant, or his ability or experience in agricultural pursuits are not matters which concern the character of the land, and therefore have no place in an inquiry regarding it. A careful examination should be made, however, to ascertain whether the land is susceptible of producing cultivated crops. In deciding this, the soil, the climate, the altitude, and slope have much to do with the crop-producing character of the land. It is not intended by this notice to authorize the listing of protective forest land or heavily-timbered tracts under this heading, but to exclude the personal qualifications of the applicant from consideration by the land examiner or the officer passing upon the application.

### **Act of June 11, 1906: Bona Fide Squatters—**

A person who has settled upon and continuously occupied unsurveyed lands within a National Forest before its creation and is at the present time occupying such lands

in good faith and is in all respects complying with the homestead law, has the right to include within the lines of his homestead 160 acres after the land is surveyed. Therefore, if the land is occupied for agricultural purposes and is not more valuable for its timber than for such purposes, and there are no circumstances which would in the opinion of the District Forester tend to discredit the bona fides of the claimant, he should be allowed to make application for the patenting of such lands under the act of June 11, 1906, and the examination for listing should be made with the view of listing 160 acres of land where possible. The tracts so listed should conform so far as practicable to the form of the public land surveys. The listing of lands as above should not in any way govern the determination of the total area or amount of non-cultivable land listed for applicants under the act of June 11, 1906, who were not residing upon the lands before the creation of the Forest.

In cases where less than 160 acres of land has been listed to a person who settled upon the land prior to the creation of the Forest, an additional area sufficient to complete the homestead entry may be allowed upon proper application.

The foregoing instruction has been approved by the Secretary of Agriculture and will govern future action of all Forest officers.

**Act of June 11, 1906: Grazing Land—**

Lands within National Forests valuable for the purpose of grazing only shall not be listed under the act of June 11, 1906. If, however, a tract is found to be valuable for agricultural purposes and will produce crops and adjacent land is valuable for grazing purposes, an added area of the grazing land may be listed with the agricultural land, provided, that in no case the area of the grazing land exceeds the area of the agricultural land. This does not authorize the listing of timber land but only grazing land.

# SERVICE ORDER

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## Service Order 40

(Amends Service Order 23)

### RELINQUISHMENT OF CLAIMS

MARCH, 14, 1910.

Hereafter no Forest officer shall under any circumstances request a homestead entryman to relinquish his claim or suggest for any reason whatsoever that such a course is desirable. If any homestead entryman voluntarily offers to relinquish his claim, the Forest officer may suggest that the relinquishment be transmitted to the local land office, but should not encourage this to be done. Forest officers who receive by mail relinquishments from claimants must return the relinquishment with the suggestion that if the entryman desires to relinquish he should send it to the local land office. No Forest officer should be a party to a compromise whereby any claims or trespass case is settled by requiring the claimant to relinquish to the Government.

H. S. GRAVES,  
*Forester.*

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- Analysis of Forest disbursements (S. O. 32); July (32).
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- Ashley National Forest, change in administrative boundary; August (60).
- Atlas, correction ink for; July (27).
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- Badges, disposal of discarded; November (154).
- Beaverhead National Forest, change in administration; August (60).
- Bills of lading, memorandum; February (257).
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- Bunch, J. W., timber trespass; August (60).
  - verdict of not guilty ordered; February (255).
- Calendar, Forest Service for 1910; December (185).
- Cannon, Thomas, suit against; September (91).
- Circular letters, designations on; February (256).
- Civil service eligibles; December (186).
- Claims, coal, held for cancellation; September (91).
  - contested; appeals; March (295).
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- Clay, Henry, indicted for fire trespass; February (255).
- C., M. and St. P. R. R., United States entitled to relief against; March (292).
- Coal claims held for cancellation; September (91).
- Commercial power plants, definition; October (123).
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- Complaint and charges should be fairly discussed; December (185).
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- Coronado National Forest, change in administration; September (92).
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     report, amendment Manual of Procedure; July (25).  
 Letters of authorization, discontinued and originated; March (292).  
 Liability statement to be prepared quarterly (S. O. 35); September (95).  
 Library books, purchase of; November (155).  
 Lodging at ranger stations, reimbursement for; December (186).  
     March (292).  
 Manzano National Forest, change in administration; August (60).  
 Manual of Procedure, amendment, law report; July (25).  
 Mensuration tables, to be filed in District offices; September (93).  
 Monthly service report, revised form for; October (123).  
 National Forest names; November (155).  
 Nonexpendable property, care in receipts and reports; August (61).  
 Northern Pacific, action against; October (123).  
 Notice to grazing applicants, new Form 861-G; December (187).  
 Notification of receipt, discontinued; October (125).  
 Oregon Caves National Monument, created; August (60).  
 Outstanding accounts, to be submitted; August (61).  
 Page, Charles, fined; August (59).  
 Pastures, survey of; July (28).  
 Patent, applied for, by Harry Tiemann; December (184).  
     granted to John M. Nelson, jr.; December (184).  
 Patterson, Zilpha, criminal proceedings discontinued in case of; December (185).  
 Permits, applications for grazing, numbering of; August (61).  
     crossing, regulation 66; November (155).  
     grazing, record of; July (27).  
     in exchange for use of private lands; January (223).  
     to purchasers of stock; renewal of; July (28)  
     use, authority to issue; July (28).  
 Personal services, term defined; January (219).  
 Positions, filing applications for; December (186).  
 Predatory animals, collection of bounties for destroying; March (294).  
 Products, fiscal agent for branch of; January (224).  
     work, transfer of; November (155).  
 Property accountability; February (257).  
 Purchasers of stock, renewal of permits to; July (28).  
 Railroad rights of way, water power to be considered; September (91).  
 Rangers' quarterly reports; January (227).  
     services, distribution of, on Form 347; January (220).  
 Rebello, J., criminal proceedings against; August (60).  
 Receipts and refunds, record and report of (S. O. 33); August (63).  
 Refunds (S. O. 33); August (63).  
 Regulations and instructions; January (223).  
 Reimbursement accounts, must be separate; August (61).  
     for lodging at ranger stations; December (186).  
     March (292).  
 Renewal of permits to purchasers of stock; July (28).  
 Repairs to damaged instruments; February (257).

Reports, claims, favorable; March (295).  
 identification on; July (26).  
 instructions on; August (59).  
 to chiefs of field division; March (296).  
 Commissioner's requests for; transmittal; February (254).  
 on claims made in good faith; July (26).  
 predatory animals killed; January (223).  
 rangers' quarterly; January (223).  
 Requisitions for supplies, to be sent to Ogden; August (61).  
 (S. O. 39); December (189).  
 Revello, J. (see Rebello), saloon trespass case settled; February (255).  
 Right of way, policy of procedure in clearing; December (184).  
 Rollins, J. R., criminal proceedings against; August (59).  
 Ruling in re U. S. v. C., M. and St. P. R. R.; March (296).  
 Sanchez, Felipe, fined; February (255).  
 San Luis National Forest, change in administration; August (60).  
 Second entries, not authorized on claims relinquished since February 8, 1908; July (26).  
 Seed production report, preparation of; July (27).  
 Service Order 30, freight and express charges; July (31).  
 31, recapitulation accompanying vouchers; July (31).  
 32, analysis of Forest disbursements; July (32).  
 33, record and report of receipts and refunds; August (63).  
 34, amendment of S. O. 30; August (64).  
 35, monthly liability statement; September (95).  
 36, procedure in free use; September (95).  
 37, diaries; October (125).  
 38, notification of receipt; October (125).  
 39, amendment of S. O. 27; December (189).  
 Settlement: listing lands within limits of railroad grant; February (256).  
 Signatures, correct use of; September (92).  
 Special transportation; term defined; January (219).  
 Special-use permits under act of June 11, 1906; February (256).  
 Spray, Tolle A., sentenced; August (59).  
 State's preferential right, opinion on; November (153).  
 Status: claims; March (295).  
 recommendations affecting change of; February (256).  
 Strong boxes, to make mice proof; November (154).  
 Stuart, R. W., plea of guilty of embezzlement; February (254).  
 Subvouchers, preparation of; September (92).  
 Sullivan, John, criminal proceedings against; August (59).  
 Supervisors' advertised sales, delegation of authority in; August (61).  
 Supplies to be secured from Ogden; August (61).  
 Survey of pastures, rule for; July (28).  
 Targhee National Forest divided; February (256).  
 Telegraphic addresses at the Chicago office; February (258).  
 Telegraphing, economy in; January (220).  
 Timber cut and sold, submitting report on; December (187).  
 or destroyed, report on; March (293).  
 sale agreement, correction of Form 202; March (293).  
 reports; January (222).  
 sales, advertisements of; January (221).  
 payments in connection with; February (258).  
 supervisors' advertised, delegation of authority in; August (61).  
 use of Form 949; September (93).  
 settlements, report of; September (93).  
 trespass, filling out Form 653; July (27).  
 Trails, location of grades; September (91).  
 November (154).  
 Transfer of salary card; January (219).  
 Transfers, requests for; January (219).  
 Trespass, fire, proceedings in; August (59).

Trespass, indictment for grazing without permit; November (153).  
report, extra copies of; December (184).  
saloon, proceedings in; August (60).  
time for notifying; July (28).  
timber (criminal); December (185).  
January (219).  
filling out Form 653; July (27).  
indictment returned; August (60).  
Uniforms, care in ordering; July (26).  
Uinta National Forest, change in administration; August (60).  
Use Book, error in paragraph on second entries; July (26).  
Uses of woods, information desired on; January (223).  
Vermetti, J., criminal proceedings against; August (60).  
Vouchers, unnecessary explanations on; July (26).  
stamping; November (154).  
Waiver of grazing privileges, form of; July (28).  
Water powers, to be considered in reports on railroad rights of way; September (91).  
Webb, L. R., convicted of fire trespass; February (255).  
Weiser National Forest, change in administration; August (60).  
Whiteside, Joseph, sentenced; February (255).

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UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

HENRY S. GRAVES, Forester

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# May Field Program 1910

This program of field work and assignments in the Forest Service is issued on the first day of each month and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this or the April program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.



# **FIELD PROGRAM FOR MAY, 1910**

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## **ASSIGNMENTS AND PROJECTS**

NOTE.—Only Assignments and Projects which correct the April Field Program are listed. Inclosure in parentheses indicates that the corresponding entry in the April program may be regarded as dropped. All other entries indicate either a modification of the corresponding entry in April or the insertion of a new entry.

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### **OPERATION**

#### **(RECORDS)**

(H. B. CRAMER, Chief, transferred to District 4.)

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### **SILVICULTURE**

#### **STATE AND PRIVATE COOPERATION**

#### **PROJECTS**

##### **Eastern States—**

Preliminary examinations of forest land, in cooperation with private owners—  
*Add* E. D. CLARK, Washington, D. C.

##### **Louisiana—**

Study of forest conditions—J. H. FOSTER, Baton Rouge.

##### **Wisconsin—**

Study of forest conditions, in cooperation with State Board of Forestry—*Add* A. K. CHITTENDEN, Madison. (G. T. BACKUS, detailed to Silvies.)

##### **General—**

Study of the relation of forest taxation to forestry and to the future timber supply—  
*FRED.* R. FAIRCHILD, New Haven, Conn.

## SILVICS

## PROJECTS

## General—

Seed testing and seed storage—*Add G. T. BACKUS.*

(Comparative study of silvical characteristics of North American species.)

## Florida—

Study of eucalypts—*Add J. M. BRISCOE*, Washington, D. C.

## LANDS

O. C. MERRILL, Engineer.

## PRODUCTS

## LABORATORY

In cooperation with the University of Wisconsin.

## WOOD PRESERVATION

## Project

(Installation and operation of an experimental tie-treating plant, in cooperation with the Tennessee Coal, Iron and Railroad Company.)

## TIMBER TESTS

## Project

(Preparation of report on Douglas fir.)

## WOOD CHEMISTRY

## Projects

(Experiments with various woods for paper pulp.)

(The refining and grading of wood turpentine and the methods of turpentine analysis.)

(Installation of wood-pulp, chemical, and wood-distillation laboratories.)

Securing of equipment and supplies and supervision of laboratory installation—*H. E. SURFACE.*

Installation of wood distillation laboratory and rearrangement of wood distillation files—*L. F. HAWLEY.*

Installation of wood-pulp laboratory and rearrangement of wood-pulp files—  
E. SUTERMEISTER.

Installation of chemical laboratory and rearrangement of chemical files—E. BATE-  
MAN.

Compilation of literature on gum turpentine and rosin industry—A. W. SCHORGER.

### WOOD TECHNOLOGY

H. D. TIEMANN, in Charge, Madison, Wis.

#### Project

Installation of wood technology laboratory—H. D. TIEMANN and H. E. MCKENZIE.

# D I S T R I C T S

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## DISTRICT 1

Montana, northeastern Washington, northern Idaho, northwestern South Dakota, northern Michigan, northern Minnesota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

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### LAW

W. M. AIKEN, District Law Officer (on leave).

HAROLD H. CLARKE, Assistant District Law Officer.

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### ACCOUNTS

JOHN A. URBANOWICZ, District Fiscal Agent.

(H. I. LOVING, transferred to District 2.)

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### SILVICULTURE

J. L. COBBS, Forest Assistant.

#### Timber Sales

#### PROJECT

##### Montana—

Examination of timber, Deerlodge National Forest—*Add* N. C. CASE. (J. L. COBBS transferred to District Office.)

##### Silvics

#### PROJECTS

##### Montana—

Collection of data for volume and yield tables—C. N. WHITNEY, Anaconda.

##### Idaho—

Collection of data for volume and yield tables—F. I. ROCKWELL, Newport, Wash.

(Cooperation, Bureau of Entomology.)

(PROJECT)

(Location of insect-infested timber and determination of methods of local control.)

**LANDS**

R. H. RUTLEDGE, in Charge.

**NATIONAL FORESTS**

**IDAHO**

**Coeur d'Alene**—*Add* ROSCOE HAINES, Deputy Forest Supervisor.

**MONTANA**

**Blackfeet**—(C. N. WHITNEY, Forest Assistant, transferred to a project at Anaconda.)

**Cabinet**—*Add* CLAUDE W. GRIFFIN, Deputy Forest Supervisor.

**Madison**—*Add* Jos. W. BUTLER, Forest Assistant.

**Missoula**—(RUSSEL G. POND, Deputy Forest Supervisor, resigned.)

**WASHINGTON**

**Kaniksú**—*Add* CHAS. A. FISHER, Deputy Forest Supervisor.

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**DISTRICT 2**

Colorado, Wyoming, South Dakota, Nebraska, and Western Kansas.

Office, Majestic Building, Denver, Colo.

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**ACCOUNTS**

H. I. LOVING, District Fiscal Agent.

(JOHN A. URBANOWICZ, transferred to District 1.)

## SILVICULTURE

(A. K. CHITTENDEN, Assistant District Forester, transferred to Washington Office.)

## Timber Sales

## PROJECTS

## Colorado—

Reconnaissance work on the Routt National Forest—J. BENTLEY, JR., Steamboat Springs.

Reconnaissance work on the Battlement National Forest—G. P. BARD, Collbran.

## Silvics

## PROJECT

## Colorado—

Fremont Experiment Station, meteorological, planting, and other experiments—  
*Omit* L. C. CHAPMAN, assistant.

## PRODUCTS

## PROJECTS

## Wood Preservation—

Study of wood preservation methods for permanent improvement work on National Forests in District 2—*Omit* D. L. CARMODY, *add* H. S. BETTS, Denver, Colo.

Study of wood preservation in regard to irrigation work in cooperation with Denver Reservoir and Irrigation Company—H. M. MASON, JR., Denver, Colo.

## Wood Utilization—

Study of wood-using industries in District 2—*Omit* D. L. CARMODY; *add* H. S. BETTS, Denver, Colo.

## NATIONAL FORESTS

## COLORADO

**San Juan, East**—A. L. SWEITZER, Acting Forest Supervisor, Pagosa Springs (WU-G);  
PETER KEPLINGER, Forest Assistant.

**San Juan, West**—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G).

## NEBRASKA

**Nebraska**—*Add* R. G. PIERCE, Forest Assistant.

## DISTRICT 3

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

## SILVICULTURE

## PROJECTS

## Arizona—

(Collection of data for volume and growth study of woodland species.)

(Inspection of reconnaissance.)

Check scaling and instruction in sales administration on the Tonto and Crook National Forests—L. E. JOHNSON, Roosevelt and Safford.

## Arkansas—

Collection of data for volume and growth study of shortleaf pine—L. L. JANES, Hot Springs.

## Florida—

Reconnaissance of the Choctawhatchee National Forest—*Omit* A. B. RECKNAGEL, *add* P. P. PITCHLYNN, in charge; *add* to Assistants, MARVIN DESHEZO, Wm. T. HART, ROBERT HOVERTY, W. D. LOCKE, G. W. NICHOLS, and T. L. SWAIN, De Funiak Springs.

## New Mexico—

Examination of proposed sales—Z. H. ALLISON, Santa Fe.

(Check scaling on the Datil National Forest.)

Check scaling on the Jemez National Forest—A. A. WYNNE, Santa Fe.

## LANDS

FRANK C. W. POOLER, Assistant District Forester, in Charge.

## NATIONAL FORESTS

## ARIZONA

Coconino—WILLARD M. DRAKE, Acting Forest Supervisor. (FRANK C. W. POOLER transferred to Office of Lands.)

Sitgreaves—*Add* FREDERICK R. STARR, Forest Assistant.

## NEW MEXICO

Carson—*Add* HARRY C. HALL, Deputy Forest Supervisor. (FREDERICK R. STARR, Forest Assistant, transferred to Sitgreaves National Forest.)

## DISTRICT 4

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and north-western Arizona.

Forest Service Building, Ogden, Utah.

## SILVICULTURE

## Timber Sales

## PROJECTS

## Idaho—

(Preparation of map and reconnaissance report of timber on Sawtooth National Forest.)

Reconnaissance of Salmon National Forest—C. P. WILBER, Forest Assistant.

Reconnaissance of Pocatello National Forest—A. L. BROWER, Forest Assistant.

Inspection of timber sale supervision and examination of streams to determine log-driving possibilities, Weiser National Forest—D. F. SEEREY, Lumberman.

## LANDS

T. C. HOYT, Assistant District Forester, in Charge.

## PROPERTY AUDIT

H. B. CRAMER, Chief of Records.

J. G. FALCK, Property Auditor.

## NATIONAL FORESTS

## IDAHO

**Boise**—Add M. S. BENEDICT, Deputy Forest Supervisor.

## NEVADA

**Toiyabe**—JAS. L. PELTON, Acting Forest Supervisor.

## UTAH

**Fishlake**—OLUF G. NIELSON, Acting Forest Supervisor.

**Manti**—C. L. SMITH, Forest Supervisor.

**Sevier**—Omit FRANK W. SEAMAN, Deputy Forest Supervisor.

## WYOMING

**Wyoming**—H. E. WOOLLEY, transferred and designation changed.

## DISTRICT 5

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

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(L. A. BARRETT, Chief of Claims, transferred to Office of Lands.)

## SILVICULTURE

## Timber Sales

## PROJECTS

(Examination of timber trespass and of proposed sale areas in the Lassen National Forest.)

Examination of proposed sale areas on the Plumas National Forest—*Omit* J. C. ELLIOTT.

Examination of timber trespass areas in the Shasta National Forest—C. H. ENSIGN, Lumberman, Sisson, Cal.

Supervision of sale operations on the Standard Lumber Company sale, Stanislaus National Forest—J. C. ELLIOTT, Lumberman, Sonora, Cal.

Examination of proposed sale to the Marsh Lumber Company, Plumas National Forest—SWIFT BERRY, Quincy, Cal.

## Planting

## PROJECTS

Boundary examination of the San Luis Division of the Santa Barbara National Forest with a view of recommending for elimination all areas not suitable for planting or valuable for watershed protection—C. A. KUPFER, San Luis Obispo, Cal.

(Examination of proposed planting sites on the Santa Barbara National Forest.)

(Installation of a coniferous nursery on the Shasta National Forest.)

## LANDS

L. A. BARRETT, Assistant District Forester, in Charge.

## PRODUCTS

## PROJECTS

**Timber Tests—**

Testing laboratory in cooperation with the University of California, Berkeley, Cal.—*Omit* G. R. GESSERT.

**Wood Preservation—**

(Design of treating plant and seasoning yard for telephone poles for the Pacific Telephone and Telegraph Company—C. STOWELL SMITH, San Francisco, Cal.)

Study of conditions on and near the Plumas National Forest, with a view to determine the feasibility of erecting and operating a portable treating plant—C. STOWELL SMITH, San Francisco, Cal.

Collection of experimental woods for the Madison Laboratory—C. STOWELL SMITH, San Francisco, Cal.

## NATIONAL FORESTS

## CALIFORNIA

**California**—ALLAN H. HODGSON, Acting Forest Supervisor; *omit* ERNEST BRITTEN.  
**Inyo**—*Omit* JOHN D. COFFMAN, Forest Assistant.

**Shasta**—*Add* JOHN D. COFFMAN, Forest Assistant, and N. O. TORSTENSON, Planting Assistant.

## DISTRICT 6

Washington, Oregon, and Alaska.

Office, Beck Building, Portland, Oreg.

## OPERATION

(C. J. BUCK, Assistant District Forester, transferred to Office of Lands.)

## SILVICULTURE

## Timber Sales

## PROJECT

**Washington—**

Reconnaissance of the Olympic National Forest—MAX ROTHKUGEL, Forest Assistant, Olympia.

## LANDS

C. J. BUCK, Assistant District Forester, in Charge.

## PRODUCTS

## PROJECTS

## Wood Preservation—

(Preliminary report on the economy of the preservative treatment of mine timbers used by the Tacoma Steel Company.)

(Preliminary report on the economy of the preservative treatment of poles and ties used by the Tacoma Railway and Power Company.)

Construction and installation of an open tank treating plant in cooperation with the University of Washington Forest School—H. B. OAKLEAF and O. P. M. Goss, Seattle, Wash.

Treatment of telephone poles on the Chelan National Forest—H. B. OAKLEAF, Chelan, Wash.

## Wood Utilization—

(Study of the box industry in the Pacific Northwest.)

(Study of the market for and uses of forest products at Spokane, Wash.)

Study of the market for and uses of forest products in the Grays Harbor region of the State of Washington—J. B. KNAPP and J. F. SULLIVAN, Portland, Oreg.

Collection of wood for experimental and exhibit purposes at Madison, Wis.—H. B. OAKLEAF, Portland, Oreg.

## NATIONAL FORESTS

## ALASKA

**Chugach**—*Add* Am. to express offices.

**Tongas**—*Add* Am. to express offices.

## OREGON

**Fremont**—*Add* N. J. BILLINGS, Grazing Assistant.

**Oregon**—(*MAX ROTIKUGEL*, Forest Assistant, transferred to Olympic Forest.)

## WASHINGTON

**Columbia**—*Add* H. O. STABLER, Forest Supervisor. HOMER ROSS, Deputy Forest Supervisor.

**Colville**—C. C. REID, Forest Supervisor.

**Olympic**—*Add* MAX ROTIKUGEL, Forest Assistant.

**Snoqualmie**—*Add* Am. to express offices.

## SERVICE CHANGES IN APRIL

No list of changes received from District 2.

## APPOINTED

## Products—

LABORATORY: JESSE RUSSELL, Laboratory Aid and Engineer.

## District 1—

OPERATION: Forest Guards—HOSEA T. PARKER, Beartooth National Forest; JAMES E. FORSTER, WALTER F. GILLIAM, WILLIAM O. HARRIMAN, PERCY KNOWLES, ROY P. MONROE, EDWARD U. MORRISON, WINTHROPE H. YOUNG, Bitterroot National Forest; SAMUEL F. MILLSAP and JOHN ROY WINNINGTON, Coeur d'Alene National Forest; GEORGE E. CHINN, GLENN LAWRENCE SMURR, LEWIS CLEVELAND STOCKDALE, Deerlodge National Forest; J. T. CHAPPLE, Kootenai National Forest; WILLIAM FISHER, Lewis and Clark National Forest; HENRY J. CLAFFEY, Lolo National Forest; HERBERT C. HUDSON and JAMES LOCKHART, Madison National Forest; FRANK T. BROKER, EDWARD M. NASON, and FRANCIS A. CUMMINGS, Minnesota National Forest; S. S. GALLOWAY, JAMES E. HENSLEY, and DAVID LEWIS, Nezperce National Forest; T. D. CRITTENDON and JOHN KEEFE, Jr., Pend Oreille National Forest.

## District 4—

OPERATION: JOHN A. WOOD, Forest Guard, Challis National Forest; CHARLES KEAS, Forest Guard, Humboldt National Forest; R. W. LANSING, Forest Guard, Payette National Forest; CALVIN T. HARDIN, Forest Guard, Idaho National Forest.

## District 5—

OPERATION: Forest Guards—HOWARD A. THRALL, Angeles National Forest; THEO. CHAFFIN, Modoc National Forest; HOSEA L. CLARK, Sierra National Forest; FRANK ANDERSON, Mono National Forest; GEO. A. KRESGE, Modoc National Forest; G. E. FREEMAN, Lassen National Forest; AUGUST H. KRAMER, Klamath National Forest; JOHN HITCHCOCK, Jr., Sequoia National Forest; DAVID E. GODFREY, Cleveland National Forest; FRANK X. HENDRICKS, Inyo National Forest.

## District 6—

OPERATION: Forest Guards—A. CALVIN ASHCROFT, J. E. CARD, Jr., ROBERT E. FOOTE, GLENN E. MITCHELL, W. A. ROUNDY, Chelan National Forest; TRUMAN O. KELLOGG, CHARLES A. MINER, ERASMIUS E. ROBERTSON, and FRITZ SETHE, Columbia National Forest; PEARL V. INGRAM, Fremont National Forest; EDWARD M. CHENEY, W. R. FREY, GUSTAVUS A. WHITEHEAD, FRANK M. WONDER, and LUTHER WONDER, Olympic National Forest; B. S. PATTON, and HARVEY E. VINCENT, Oregon National Forest; WILLIAM SETHE, Rainier National Forest; J. R. BRUCKART, and HAL R. WILLIAMS, Snoqualmie National Forest. Forest Guard (Hunters)—B. K. SEARCY, Umatilla National Forest; JOHN P. BRANDON, Wallowa National Forest; PERRY YOUNG, Wenaha National Forest; ALBERT ROBISON, Whitman National Forest; MAYME L. HUYETT, Forest Clerk, Whitman National Forest.

## RESTORED TO THE ROLLS

## District 1—

OPERATION: FRED. H. CHADNEY, Assistant Forest Ranger, and PETER DE GROOT, Forest Ranger, Blackfeet National Forest; RAY R. FITTING, FRANK HARTMAN, JAMES S. GARRISON, JOSEPH McGEE, and ADOLPH WEHOLT, Assistant Forest Rangers, Clearwater National Forest; EMERY E. WILSON, Forest Ranger, Coeur d'Alene National Forest; BAIGRIE SUTHERLAND, Assistant Forest Ranger, Flathead National Forest; FRANK F. BENING, Assistant Forest Ranger, and WILLIAM A. RAYMOND, Forest Ranger, Kootenai National Forest; JOHN ELMER BREEN, and KENNETH S. ROBINSON, Assistant Forest Rangers, Lolo National Forest; ALFRED GRIGG, Assistant Forest Ranger, Missoula National Forest; D. WILLIAM ARRISON, Assistant Forest Ranger, Nezperce National Forest.

DISTRICT OFFICE: HOMER F. TRIPP, Draftsman.

## District 4—

OPERATION: THOMAS B. HUNT, Assistant Forest Ranger, Boise National Forest.

## District 5—

OPERATION: JULIUS WARD HURLBURT, Assistant Forest Ranger, Lassen National Forest; GEORGE BETTENDORFF, Assistant Forest Ranger, Modoc National Forest; JAS. F. POORE, Assistant Forest Ranger, Modoc National Forest; WM. M. BROWN, Assistant Forest Ranger, Sierra National Forest; WM. H. THROWER, Assistant Forest Ranger, Sierra National Forest; AUDIE K. WOFFORD, Deputy Forest Ranger, Sierra National Forest.

## District 6—

OPERATION: C. K. EVARTS, EDWARD H. MAHN, and SMITH L. TAYLOR, Assistant Forest Rangers, Cascade National Forest; RUSSEL B. PIERPONT, Forest Ranger, Chelan National Forest; HOMER ROSS, Deputy Forest Supervisor, Columbia National Forest; JOHN D. HOLST, ANDREW T. POOLE, and GEO. H. WEST, Assistant Forest Rangers, Crater National Forest; BENJ. F. JOHNSON, Deputy Forest Supervisor, Deschutes National Forest; NELSON JAY BILLINGS, Grazing Assistant; GILBERT D. BROWN, Deputy Forest Supervisor; GAINES H. LOONEY, Assistant Forest Ranger, Fremont National Forest; WALTER E. GRAHAM and GEORGE R. LEDFORD, Assistant Forest Rangers, and ELMER W. GRIBBLE and M. E. MUSGRAVE, Forest Rangers, Oregon National Forest; HARRY M. CUNNINGHAM and ABNER T. WRIGHT, Assistant Forest Rangers, Rainier National Forest; FREDERICK R. RUSSELL, Assistant Forest Ranger, Siuslaw National Forest; GEORGE A. BONEBRAKE, Forest Ranger, and VERNON V. HARPHAM, FRANK P. HILL, and ASHER IRELAND, Assistant Forest Rangers, Umpqua National Forest; LEO A. BLEVINS and JOSEPH A. HARRIS, Assistant Forest Rangers, and J. FRED MCCLAIN, Forest Ranger, Wallowa National Forest; THOMAS THOMPSON, Assistant Forest Ranger, Washington National Forest; WILLIAM H. KENDALL, Assistant Forest Ranger, Wenaha National Forest; R. E. SMITH, Forest Ranger, and EPHRAIM BARNES and WILLIAM W. HAWLEY, jr., Assistant Forest Rangers, Whitman National Forest.

## CHANGE IN DESIGNATION

## District 1—

OPERATION: CLAUDE W. GRIFFIN, from Assistant Forest Ranger to Deputy Forest Supervisor, Cabinet National Forest; ROSCOE HAINES, from Forest Ranger to Deputy Forest Supervisor, Coeur d'Alene National Forest; CHAS. A. FISHER, from Forest Ranger, Pend Oreille National Forest, to Deputy Forest Supervisor, Kaniksu National Forest.

## District 4—

OPERATION: FRANK W. SEAMAN, Deputy Forest Supervisor to Forest Ranger, Sevier National Forest; H. E. WOOLLEY, Deputy Forest Supervisor, Wyoming National Forest, to Land Examiner, Ogden, Utah.

## District 5—

OPERATION: FRANCIS P. McCARTY, Deputy Forest Ranger to Assistant Forest Ranger, Klamath National Forest; WM. H. HOTELLING, Deputy Forest Ranger to Assistant Forest Ranger, Klamath National Forest; ROBERT FINLEY, Deputy Forest Ranger to Assistant Forest Ranger, Klamath National Forest.

## TRANSFERRED

## Silviculture—

A. K. CHITTENDEN, Assistant District Forester, District 2, to Forest Examiner, Washington, D. C.

SILVICS: W. D. STERRETT, Forest Assistant, from War Department to Forest Assistant, Forest Service.

## District 3—

OPERATION: M. EDISON PELLETT, Clerk, Stenographer, and Typewriter, from State Department; SAMUEL K. LEMING, Clerk, from Department of Interior.

## District 4—

OPERATION: A. W. JENSEN, from Supervisor, Manti National Forest, to Assistant District Law Officer; C. L. SMITH, from Supervisor, Fishlake National Forest, to Supervisor, Manti National Forest; Mrs. GRACE MUNROE, Forest Clerk, Sawtooth National Forest to Supply Depot, Ogden, Utah.

## District 6—

OPERATION: PETER C. PETERSEN, Forest Guard, Olympic National Forest to Wenatchee National Forest.

IDA D. ESTES, Clerk, Stenographer, and Typewriter, Silviculture, to Fremont National Forest; MARIA H. ROCHE, Clerk, Stenographer, and Typewriter, District 3, to Umatilla National Forest.

## REINSTATED

## District 6—

OPERATION: HARRY N. COLTER, Assistant Forest Ranger, Chelan National Forest; NELLIE M. SHEARS, Clerk, Stenographer, and Typewriter, District Office.

**PROMOTED****District 1—**

OFFICE OF SOLICITOR: WILLIAM M. AIKEN, District Law Officer.

**District 4—**

OPERATION: RILEY PATTEN, Assistant Forest Ranger to Forest Ranger, Toiyabe National Forest.

**District 6—**

OPERATION: ELIAS T. CLARK, Forest Assistant to Deputy Forest Supervisor.

**FURLOUGHED****District 1—**

OPERATION: ALBERT REYNOLDS, Forest Ranger, Blackfeet National Forest;  
JAMES S. GARRISON, Assistant Forest Ranger, Clearwater National Forest;  
FRANK H. KNOWLTON, Assistant Forest Ranger, Kaniksu National Forest.

**District 5—**

BERTHA M. BROWN, Clerk.

**District 6—**

OPERATION: AXEL E. LARSEN, Assistant Forest Ranger, Washington National Forest.

FRANK B. KELLOGG, Forest Assistant, Rainier National Forest.

**EXTENSION OF FURLOUGH****District 1—**

OPERATION: JAMES STUART, Deputy Forest Ranger, Clearwater National Forest.  
DISTRICT OFFICE: OTTO GREENWALD, Clerk-Typewriter, and ANNA KELLY, Clerk-Typewriter.

**RESIGNED****Products—**

LABORATORY: EDW. H. FORD, Engineer in Wood Preservation.

**Grazing—**

WM. C. CLOS, Inspector.

**District 1—**

OPERATION: RUSSELL G. POND, Deputy Forest Supervisor, Missoula National Forest.

**District 4—**

OPERATION: LEHI PETERSEN, Jr., Deputy Forest Ranger, Fillmore National Forest.

**District 5—**

EDNA E. SLOSSON, Clerk, Santa Barbara National Forest; MARY O'TOOLE, Clerk, District Office.

PRODUCTS: GEORGE R. GESSERT, Engineer in Timber Tests.

## SEPARATED

## District 1—

OPERATION: WALTER J. HYDE, Forest Guard, Beartooth National Forest; IREN M. DE STAFFANY, Assistant Forest Ranger, Blackfeet National Forest; JOHN J. ENGLERTH, Forest Guard, Deerlodge National Forest; JOHN B. BOYCE, Forest Guard, Lolo National Forest; HORACE S. LYDICK, Assistant Forest Ranger, Minnesota National Forest.

SILVICULTURE: FRANCIS X. SALZMAN, Lumberman; ABBOTT B. SILVA, Forest Agent; HERMAN L. TUCKER, Forest Expert.

DISTRICT OFFICE: HELENA B. ROBERTSON, Clerk, Stenographer, and Typewriter.

## District 6—

OPERATION: E. W. ATWOOD and T. O. ERICKSON, Forest Guards, Chelan National Forest; CECIL COSPER, Forest Guard, Siuslaw National Forest; FRANK E. HARTE, Assistant Forest Ranger, Snoqualmie National Forest; ROY A. HUNT, Forest Guard, Wallowa National Forest; GUY P. SMITH, Assistant Forest Ranger, Washington National Forest; MERRITT D. PHILLIPS, Forest Guard (Hunter); RUSH RAMEY, Forest Guard (Hunter); EDITH I. STUMP, Forest Clerk, Whitman National Forest.

## APPOINTMENT TERMINATED

## Products—

LABORATORY: JOHN M. NELSON, Jr., Assistant Chief, Office of Wood Preservation.

## DISMISSED

## District 1—

OPERATION: JOHN W. JORGENS, Assistant Forest Ranger, Nezperce National Forest.

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With deep regret announcement is made of the death, on March 24, of OSCAR W. SHANER, Assistant Forest Ranger, on the Umatilla National Forest, Heppner, Oregon.

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## SERVICE NOTES FOR MAY

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

### OFFICE OF THE FORESTER

#### Cooperation with Smithsonian Institution—

The Secretary of the Smithsonian Institution has requested the Forest Service to cooperate in bringing to the attention of the Institution discoveries of valuable objects on National Forests, since it is desirable that the Government have the opportunity of obtaining such objects for its collection. The materials most desired are fine mineral specimens, examples of silicified wood, invertebrate and vertebrate fossils, meteorites of both iron and stony varieties. Meteorites are of particular interest and their occurrence should be reported promptly whenever practicable. Of the vertebrate fossils, skulls and teeth are of greater importance than mere fragments of bones of the trunk.

Samples of specimens should be forwarded under official frank to the Smithsonian Institution, Washington, D. C., and the Supervisor should make report to the Forester and transmit it through the District office. The frank should bear the name and address of the sender. Forest officers will keep in mind the request of the Secretary and cooperate, as far as is practicable without interfering with Forest Service work.

### LAW

#### Rehearing in Sierra Grazing Trespass Cases—

In the April Field Program notice was given of the judgment of the Supreme Court of the United States affirming the judgments of the district court for the southern district of California in the cases of the United States *v.* Grimaud and Carajous, and the United States *v.* Inda, involving alleged illegal grazing of sheep on the Sierra National Forest without a permit, in violation of Regulation 45 of the Secretary of Agriculture made and promulgated under authority of the act of June 4, 1897. Affirmance of the judgments resulted from an even division of the justices of the Supreme Court, and, while this was sufficient for the disposition of the particular cases, no authoritative decision, controlling in future similar cases, was rendered, and the question of the constitutionality of the regulation and the provisions of the act of June 4, 1897, under which it was made and promulgated, is still undecided.

The questions involved in these cases are so important and their final determination so necessary that, on April 13, the Solicitor-General petitioned the Supreme

Court to grant a rehearing in the cases. The petition was allowed on April 18, and the cases were restored to the docket. In due course they will be reheard by the court. Meanwhile, as stated in the April Field Program, all Forest officers will continue the vigorous enforcement of the regulations and make report of violations thereof as heretofore.

#### **Indictment and Verdict in Fire Trespass Cases—**

On March 22 the grand jury at Portland, Oreg., returned a true bill against Earl Gardner for a fire trespass on the Siskiyou National Forest.

On March 29 a verdict was rendered in favor of the United States for \$4,424.38 in the case of the United States against the Corvallis and Eastern Railroad Company involving a fire trespass on the Oregon National Forest.

## **OPERATION**

#### **Property Accountability Record—**

The instructions in Service Order 27 were not intended to supersede or change the instructions in Service Order 15 with special reference to the supervisors' card record of nonexpendable property. This record consists of two parts, "Forest Accountability" and "Individual Accountability," as described in the first three paragraphs of Section 148 (Service Order 27). It appears that some supervisors have misunderstood the instructions in the second paragraph of that section and have abandoned the use of the card marked "Stock" in the "Individual Accountability" record. This is an error, since the property in stock must be added to the property charged on the cards of individuals to make up the total of the property charged to the supervisor in his "Forest Accountability" record.

#### **Forest Additions and Eliminations—**

On April 20, 1910, the President signed the proclamation adding 129,819 acres to the Pecos National Forest, New Mexico, and eliminating from the same Forest 31,561 acres.

On April 21, 1910, the proclamation of the Garces National Forest was signed, which adds 18,115 acres and eliminates 53,500 acres. This diagram is in two parts.

## **SILVICULTURE**

#### **Report of Timber Sold and Cut—**

The Classified List of Reports on National Forest work, dated March 4, provides for a quarterly report of timber sold and cut and timber sales inspected. This has been found to be inadequate, and monthly reports will now be required from the supervisors to the District Forester, and from the District Forester to the Forester.

Reports for the months of January, February, and March should be made out at once to complete the record to date. A letter on the subject to the District Forester will be supplied in sufficient quantity to furnish each supervisor with a copy to attach to the Classified List of Reports.

## GRAZING

## Revised Trespass Procedure—

*Approved by the Secretary of Agriculture, April 25, 1910.*

In all cases of grazing trespass upon the National Forests the method of procedure should be as follows:

*In civil cases.*—The Forest officer upon discovering a grazing trespass should take immediate steps to protect the Forest from injury. The owner of the stock should be ordered to remove it at once, or, if the situation is urgent, the Forest officer may remove the stock in any reasonable way that does not injure it physically.

A distinction should be made between (a) unpermitted stock and (b) permitted stock.

(a) Forest officers may drive unpermitted stock from any portion of the Forest upon discovery of its presence, or they may allow the owner or herder a reasonable time to remove it; but if he refuses to go, the person in charge of the stock may be arrested and the stock removed from the Forest. (See procedure in criminal cases.)

(b) Permitted stock may be removed from any portion of the Forest not allotted to it, but the permit can not be canceled or the stock removed from the area allotted to it without authority from the District Forester.

The Forest officer who discovers trespassing stock should take such action as is necessary to protect the Forest and as soon as possible prepare a report in duplicate on Form 856 to be submitted to the supervisor. This report should contain clear-cut, definite statements upon the following points: The inclusive dates upon which the stock was in trespass; actual or approximate number of stock grazed in trespass and method of determination; brands or earmarks of stock and recorded ownership of same; name and address of the owner of the stock; location and extent of area upon which stock has trespassed, by legal subdivisions, or a definite description by local landmarks; whether Forest boundaries were marked at point of trespass or not, and whether trespasser has ever been advised of the exact location of the Forest boundaries or has theretofore committed a similar trespass on the Forest; kind of monuments used to mark the boundaries and their distance apart; the names and addresses of all witnesses having knowledge of the facts, together with a brief synopsis of their statements, signed by them. Should there be witnesses who decline to make a statement, a brief synopsis of the facts to which it is believed they can testify should be submitted. All questions contained in the above form should be answered, and if the information is too lengthy for this form, extra pages as necessary should be attached. The report should be accompanied by a map showing the location of the area trespassed upon. The Forest officer making the report should include therein a statement of his estimate in money of the actual value of the forage and forest growth or other Forest products consumed, destroyed, or injured, and an estimate of the actual damage, if any, sustained by the Government through injury to improvements on the Forest as a result of the trespass. The report should distinctly show the circumstances of the trespass, that is, facts disclosing whether it was committed innocently or unintentionally, or knowingly, willfully, recklessly, or without regard to the rights of the Government, or in defiance of warnings against trespass.

Upon receipt of the report the supervisor will review it, and if he finds that a trespass has been committed, he will inform the trespasser by registered mail or in person of the fact, and will inform him that he will be allowed ten days from receipt of notice in which to make a sworn statement of the circumstances of the trespass and his estimate of the damages sustained by the Government as a result of the trespass, and that such statement will be considered by the Secretary of Agriculture in his ascertainment and determination of the actual damages sustained by the trespass.

Whenever practicable the supervisor should meet the trespasser at the place of the trespass and talk the matter over with him. The supervisor, having given the party, notified as above stated, opportunity to present his statement and having fully informed himself in respect to the facts in the case, will supplement the Forest officer's report by his own findings as to the actual damage sustained by the Government and particularly (1) whether the trespass was committed unintentionally, inadvertently, or ignorantly, or (2) whether it was accompanied by circumstances evincing a conscious, willful, or reckless disregard of the consequences of the trespass and of the rights of the Government, which, accompanied by the Forest officer's report, will be sent to the District Forester, who will add his recommendation and forward all papers in the case to the Forester for submission to the Secretary of Agriculture for his final ascertainment and determination of the actual damages sustained by the Government as a result of the trespass.

When the Secretary has ascertained and determined the amount due the Government and that the trespass was committed unintentionally, inadvertently, or ignorantly, he will notify the trespasser thereof, and a reasonable time will be allowed him in which to pay the amount ascertained to be due.

If settlement is not promptly made, the facts will be reported to the Attorney-General for institution of suit for recovery of the ascertained damages, and in every case where the trespass was committed knowingly, willfully, recklessly, and in disregard of the rights of the Government, the facts will be reported to the Attorney-General for institution of suit for recovery of the ascertained damages, together with such exemplary damages as may be awarded by a jury upon consideration of the aggravating circumstances of the trespass. Where necessary to report the cases to the Attorney-General the Law Officer will prepare the letters for the signature of the Secretary.

*In criminal cases.*—Settlement of, or institution of suit to recover for, damages resulting from a trespass in a National Forest, does not bar a criminal prosecution for the trespass, and the Secretary of Agriculture will not entertain a proposition of settlement made on the condition that no such prosecution will be instituted; nor has the Secretary power to dismiss a pending prosecution. Except in flagrant cases as hereinafter stated, no Forest officer will take action looking to a criminal prosecution of the trespasser, but will report all the facts to the supervisor as directed under heading "In civil cases." The Secretary will determine from the facts reported to him whether or not criminal proceedings should be recommended to the Attorney-General.

In willful and flagrant cases where immediate action is necessary in order to protect the Forest from damage, or to prevent the escape of the trespasser, the ranger will place the trespasser under arrest if he is detected in the act of committing a trespass; will notify the supervisor at once, advising him of the need for immediate

action, the evidence against the trespasser, and the United States commissioner before whom the hearing will be held; he will also secure evidence upon all of the points mentioned under the head of civil cases. He will immediately take the prisoner before the proper commissioner, swear to a complaint, represent the Forest Service at the hearing, and hold the prisoner for disposition according to the instructions of the commissioner. After the case has been acted upon by the commissioner, the ranger will submit full reports upon the proper forms, as in a civil case, to the supervisor, including a statement regarding the urgency of the need for the arrest, and the decision and rulings of the commissioner.

The supervisor upon receipt of the ranger's preliminary report should endeavor to attend the hearing before the commissioner as a representative of the Forest Service, or, failing in that, should give the ranger full instructions relating to the management of the case, approving or disapproving the ranger's action in making the arrest. As soon as the case before the commissioner has been decided and the ranger has submitted full reports upon the proper forms, the supervisor should consider, approve, and record them in the proper manner, and forward all papers in the case to the District Forester for action, adding such recommendations as are necessary, and stating in full all rulings and decisions made by the commissioner, after which he should await instructions from the Law Officer before proceeding further.

In all cases where a trespasser has paid the damages assessed against him, or has paid the fine imposed upon him by the court as a penalty for having grazed stock upon the National Forest in trespass, the case will be closed without prejudice, and his subsequent applications for grazing permits upon the National Forest may be considered upon their merits.

\* The attention of all Forest officers is called to the fact that where information is furnished to the Service relative to trespass upon the National Forests or violations of the laws and regulations for the use of the National Forests, it should always be considered as strictly confidential. Such information, without which the Service often could not successfully determine the truth or falsity of the charges made, should never be subject to idle gossip or discussion in public where it can be used to the injury and distress of the person furnishing it.

#### **Reports of Predatory Animals Killed—**

The instruction contained in the circular of March 4, "Classified list of reports on National Forest work," which requires that the hunters' monthly report, Form 343, be approved by the supervisor and forwarded to the District Forester, is at variance with the instructions contained on page 67 of the revised grazing regulations, which contemplate the retention of the hunters' reports, Form 343, in the supervisor's office and the preparation, not later than July 15, of an annual report showing the total number of predatory animals destroyed during the preceding fiscal year. The instruction contained in the circular of March 4 is erroneous and the procedure outlined on page 67 of the revised grazing regulations should be adhered to. Hunters' monthly reports and rangers' quarterly reports should be retained in the office of the supervisor and the totals reported at the close of each fiscal year.

## LANDS

### **Ruling as to Timber on Right of Way—**

The following is the substance of a recent decision by the Law Officer at Washington: When a right of way, permitted under an act of Congress, crosses an agricultural or mining claim, whether the claim antedates the right of way or not and whether the claim is apparently held in good faith or not, if timber is cut and removed in clearing such right of way, payment should be made to the Government in all cases except one, viz, where the timber so cut is at that time needed by the claimant for the purposes allowed by law, in which case he should be allowed to take, without payment, the timber which is cut, up to the amount of his needs. If, subsequently, any such claimant should need timber for the purposes allowed by law and should be unable to obtain it on his claim, he should be allowed to take timber from other lands of the United States for those purposes up to the amount of that which was so removed.

### **Withdrawal Notices—**

Notices posted on lands withdrawn for administrative purposes should contain an accurate description of the areas inclosed. Surveyed lands should be described by legal subdivisions and unsurveyed tracts should be clearly indicated by stating the place of beginning and the courses and distances. The notices should be placed in conspicuous places to warn intending settlers under the Act of June 11, 1906, of the withdrawals. Cloth should be used and the description should be written or printed with indelible ink so as to stand the weather and not become obliterated. All notices on ranger stations not yet withdrawn should conform to these requirements as far as possible to avoid conflict with applicants under the Act of June 11, 1906.

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 Signatures, correct use of; September (92).  
 Special transportation; term defined; January (219).  
 Special-use permits under act of June 11, 1906; February (256).  
 Spray, Tolle A., sentenced; August (59).  
 Squatters, Act of June 11, 1906, as applicable to bona fide; April (329).  
 State's preferential right, opinion on; November (153).  
 Status: claims; March (295).  
     recommendations affecting change of; February (256).  
 Strong boxes, to make mice proof; November (154).  
 Stuart, R. W., plea of guilty of embezzlement; February (254).  
 Stumpage rates; April (328).  
 Subject designations and filing involved; April (328).  
 Subvouchers, preparation of; September (92).

Sullivan, John, criminal proceedings against; August (59).  
Supervisors' advertised sales, delegation of authority in; August (61).  
Supplies to be secured from Ogden; August (61).  
Survey and map instructions, revised; April (328).  
    of pastures, rule for; July (28).  
Targhee National Forest divided; February (256).  
Telegraphic addresses at the Chicago office; February (258).  
Telegraphing, economy in; January (220).  
Timber cut and sold, submitting report on; December (187).  
    or destroyed, report on; March (293).  
    sale agreement, correction of Form 202; March (293).  
    reports; January (222).  
sales, advertisements of; January (221).  
    payments in connection with; February (258).  
    supervisors' advertised, delegation of authority in; August (61).  
    use of Form 949; September (93).  
settlements, report of; September (93).  
trespass, filling out Form 653; July (27).  
Trails, location of grades; September (91).  
    November (154).  
Transfer of salary card; January (219).  
Transfers, requests for; January (219).  
Trespass, fire, proceedings in; August (59).  
    indictment for grazing without permit; November (153).  
    report, extra copies of; December (184).  
    saloon, proceedings in; August (60).  
    time for notifying; July (28).  
    timber (criminal); December (185).  
    January (219).  
    filling out Form 653; July (27).  
    indictment returned; August (60).  
Uniforms, care in ordering; July (26).  
Uinta National Forest, change in administration; August (60).  
Use Book, error in paragraph on second entries; July (26).  
Uses of woods, information desired on; January (223).  
Vermetti, J., criminal proceedings against; August (60).  
Vouchers, unnecessary explanations on; July (26).  
    stamping; November (154).  
Waiver of grazing privileges, form of; July (28).  
Water powers, to be considered in reports on railroad rights of way; September (91).  
Webb, L. R., convicted of fire trespass; February (255).  
Weiser National Forest, change in administration; August (60).  
Whiteside, Joseph, sentenced; February (255).





UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

HENRY S. GRAVES, Forester

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# June Field Program

## 1910

This program of field work and assignments in the Forest Service is issued on the first day of each month and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this or the April program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.



# FIELD PROGRAM FOR JUNE, 1910

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## ASSIGNMENTS AND PROJECTS

NOTE.—Only Assignments and Projects which correct the April Field Program are listed. Inclosure in parentheses indicates that the corresponding entry in the April program may be regarded as dropped. All other entries indicate either a modification of the corresponding entry in April or the insertion of a new entry. *This program entirely supersedes the May program*, so far as assignments and projects are concerned.

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### OPERATION

#### (RECORDS)

(H. B. CRAMER, Chief, transferred to District 4.)

### GEOGRAPHY

C. A. KOLB, Acting Chief.

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### SILVICULTURE

### STATE AND PRIVATE COOPERATION

#### PROJECTS

##### Eastern States—

Preliminary examinations of forest land, in cooperation with private owners—  
*Add J. M. BRISCOE; omit A. W. WILLIAMSON, Washington, D. C.*

##### Louisiana—

(Preparation of report on forest conditions, in cooperation with the State).

##### Virginia—

(Preliminary examination of forest conditions, in cooperation with the State, and examination of forest land, in cooperation with private owners).

**Wisconsin—**

Study of forest conditions, in cooperation with State Board of Forestry—*Omit*  
G. T. BACKUS, Madison.

Marking timber, Menominee Indian Reservation—W. W. ASHE, E. D. CLARKE,  
and G. T. BACKUS, Neopit.

**General—**

Study of the relation of forest taxation to forestry and to the future timber supply—  
FRED. R. FAIRCHILD, New Haven, Conn.

**SILVICS****PROJECTS****General—**

(Comparative study of silvical characteristics of North American species.)

**Florida—**

Study of eucalypts—R. ZON and J. M. BRISCOE, Washington, D. C.

**Maryland and Virginia—**

Remeasurement of permanent sample plots—W. D. STERRETT and W. B. BARROWS, Washington, D. C.

**LANDS**

O. C. MERRILL, Engineer.

**PRODUCTS**

[A complete reorganization of the Products work makes it necessary to substitute the following for the entire Products organization, assignments, and projects, as given on pages 306-308 of the April Program:]

WM. L. HALL, Assistant Forester, in Charge, Madison, Wis.

**LABORATORY**

In cooperation with the University of Wisconsin, Madison, Wis.

McGARVEY CLINE, Director.

H. S. BRISTOL, Assistant Director.

HOWARD F. WEISS, Assistant Director.

**ENGINEERING**

ROLF THELEN, in Charge.

**MAINTENANCE**

W.M. H. KEMPFER, in Charge.

**CHEMISTRY**

E. BATEMAN, in Charge.

**PULP AND PAPER**

E. SUTERMEISTER, in Charge.

**TIMBER PHYSICS**

H. D. TIEMANN, in Charge.

**TIMBER TESTS**

J. A. NEWLIN, in Charge.

**WOOD DISTILLATION**

L. F. HAWLEY, in Charge.

**WOOD PRESERVATION**

F. M. BOND, in Charge.

**PATHOLOGY**

In cooperation with the Bureau of Plant Industry.

C. J. HUMPHREY, in Charge.

**WOOD UTILIZATION**

H. S. SACKETT, in Charge, Fisher Building, Chicago, Ill.

**WASHINGTON OFFICE**

O. T. SWAN, in Charge.

# D I S T R I C T S

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## DISTRICT 1

Montana, northeastern Washington, northern Idaho, northwestern South Dakota, northern Michigan, northern Minnesota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

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### LAW

W. M. AIKEN, District Law Officer (on leave).

HAROLD H. CLARKE, Assistant District Law Officer.

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### ACCOUNTS

JOHN A. URBANOWICZ, District Fiscal Agent.

(H. I. LOVING, transferred to District 2.)

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### OPERATION

R. H. RUTLEDGE, Assistant District Forester, transferred to Lands.

### SILVICULTURE

Timber sales, J. L. COBBS, Forest Assistant.

### PROJECTS

#### **Idaho—**

Examination of timber, reconnaissance estimates: Coeur d'Alene National Forest—F. B. BRUNYATE and W. B. WILLEY, Wallace; Kaniksu National Forest—R. C. JONES and M. H. NOLFF, Newport, Wash.; Pend d'Oreille National Forest—F. A.

GAYLORD, E. M. HORTON, A. S. HOPKINS, E. G. DUDLEY, H. W. DEANCREDE, and J. R. GILLIS, Sandpoint.

**Montana—**

Examination of timber, Deerlodge National Forest—*Add* N. C. CASE. (J. L. COBBS transferred to District Office.)

Northern Pacific estimates—*Omit* F. A. GAYLORD, C. JONES, and F. B. BRUNYATE.

**Silvics**

**PROJECTS**

**Idaho—**

Collection of data for volume and yield tables—F. I. ROCKWELL, Newport, Wash.

**Montana—**

Collection of data for volume and yield tables—C. N. WHITNEY, Anaconda.

**LANDS**

R. H. RUTLEDGE, Assistant District Forester, in Charge.

**NATIONAL FORESTS**

**IDAHO**

Coeur d'Alene—*Add* ROSCOE HAINES, Deputy Forest Supervisor.

**MONTANA**

Blackfeet—C. N. WHITNEY, Forest Assistant, transferred to a project at Anaconda.

Cabinet—*Add* CLAUDE W. GRIFFIN, Deputy Forest Supervisor.

Madison—E. D. FLETCHER, Deputy Forest Supervisor—*Add* JOS. W. BUTLER Forest Assistant.

Missoula—RUSSEL G. POND, Deputy Forest Supervisor, resigned.

**WASHINGTON.**

Kaniksu—*Add* CHAS. A. FISHER, Deputy Forest Supervisor.

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**DISTRICT 2**

Colorado, Wyoming, South Dakota, Nebraska, and western Kansas.

Office, Majestic Building, Denver, Colo.

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**ACCOUNTS**

H. I. LOVING, District Fiscal Agent.

(JOHN A. URBANOWICZ, transferred to District 1.)

**SILVICULTURE**

A. K. CHITTENDEN, Assistant District Forester, transferred to Washington Office.

**Timber Sales****PROJECT****Colorado—**

Reconnaissance of Arapaho National Forest—W. C. BENNETT, Fraser.

**Silvics****PROJECT****Colorado—**

Fremont Experiment Station, meteorological, planting, and other experiments—  
*Omit* L. C. CHAPMAN, assistant, separated.

(Cooperation, Bureau of Entomology.)

**(PROJECT)**

(Location of insect-infested timber and determination of methods of local control)  
W. D. EDMONSTON transferred to District 6.

**LANDS**

H. M. BOOTH, Acting, in Charge.

**PRODUCTS****PROJECTS****Timber Tests—**

Timber-testing laboratory in cooperation with the University of Colorado, Boulder, Colo.—A. D. WOLFF and H. V. BLANK furloughed.

Collection of test material.

**Wood Preservation—**

Study of wood-preservation methods for permanent improvement work on National Forests in District 2—*Omit* D. L. CARMODY, resigned; *add* H. S. BETTS, Denver, Colo.

Preservative treatment of timber used in irrigation work, in cooperation with the Denver Reservoir and Irrigation Company—H. M. MASON, Jr., Denver, Colo.

**Wood Utilization—**

Study of wood-using industries in District 2—*Omit* D. L. CARMODY, resigned, and H. M. MASON, Jr.; *add* H. S. BETTS, Denver, Colo.

**NATIONAL FORESTS****COLORADO**

**Arapaho**—LEE E. COOPER, Acting Forest Supervisor. (C. G. POOLE transferred to Bonneville, Sweetwater, National Forest.)

**Montezuma**—R. W. ALLEN, Deputy Forest Supervisor.

**San Juan, East**—A. L. SWEITZER, Acting Forest Supervisor, Pagosa Springs (WU-G); PETER KEPLINGER, Forest Assistant.

**San Juan, West**—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G).

### WYOMING

**Bonneville, Green River**—FOSTER STEELE, Acting Forest Supervisor, Pinedale (WU-Am).

**Bonneville, Sweetwater**—C. G. POOLE, Forest Supervisor, Lander (WU-Am).

**Bonneville, Wind River**—H. EARL FRENCH, Acting Forest Supervisor, Dubois (WU-Am).

## DISTRICT 3

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Striekler-Luna Building, Albuquerque, N. Mex.

### SILVICULTURE

#### PROJECTS

##### **Arizona**—

(Collection of data for volume and growth study of woodland species.)  
(Inspection of reeonnaissance.)

Check scaling and instruction in sales administration on the Zuni, Sitgreaves, and Apache National Forests—L. E. JOHNSON, Gallup, N. Mex., Snowflake and Springerville, Ariz.

Reeonnaissance of the Crook National Forest——, in charge.

Reconnaissance of the Apache National Forest—J. H. ALLISON, in charge temporarily; Springerville after Junc 15.

##### **Arkansas**—

(Reconnaissance of the Arkansas National Forest.)

Collection of data for volume and growth study of shortleaf pine—L. L. JANES, Hot Springs.

##### **Florida**—

(Reconnaissance of the Choctawhatchee National Forest.)

##### **New Mexico**—

(Check scaling and sale administration on the Gila National Forest.)

(Check scaling on the Datil National Forest.)

Check scaling on the Jemez and Carson National Forests—A. A. WYNNE, Santa Fe.

Check scaling and sale administration on the Pecos National Forest—NELSON L. LE GRANDE, Sealer, Embudo.

Inspection of reconnaissance—J. H. ALLISON, Silver City.

Reconnaissance of the Pecos National Forest—H. G. CALKINS, in Charge, Santa Fe.  
Reconnaissance of the Gila National Forest—BARRINGTON MOORE, in Charge, Silver City.

## LANDS

FRANK C. W. POOLER, Assistant District Forester, in Charge.

## NATIONAL FORESTS

### ARIZONA

#### Coconino—

Coconino Division: WILLARD M. DRAKE, Acting Forest Supervisor, Flagstaff (WU, P—WF); E. H. CRABB, Deputy Forest Supervisor; J. C. KIRCHER, Forest Assistant.

Tusayan Division: STANTON G. SMITH, Forest Supervisor, Flagstaff (WU, P—WF). FRANK C. W. POOLER transferred to Lands.

### NEW MEXICO

Carson—Add HARRY C. HALL, Deputy Forest Supervisor.

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## DISTRICT 4

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and northwestern Arizona.

Forest Service Building, Ogden, Utah.

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## OPERATION

E. H. CLARKE transferred to Wasatch National Forest, as Forest Supervisor.

## SILVICULTURE

### Timber Sales

### PROJECTS

#### Arizona—

Reconnaissance of Kaibab National Forest.—*Omit* L. CROWELL.

#### Idaho—

(Preparation of map and reconnaissance report of timber on Sawtooth National Forest.)

Reconnaissance of Salmon National Forest—C. P. WILBER, Forest Assistant, Salmon.

Reconnaissance of Pocatello National Forest—A. L. BROWER, Forest Assistant, Pocatello.

Inspection of timber sale supervision and examination of streams to determine log-driving possibilities, Weiser National Forest—D. F. SEEREY, Lumberman.

Inspection of timber sales on Targhee National Forest—D. F. SEEREY, Lumberman.  
 Reconnaissance of Targhee National Forest—C. E. DANSTON, Forest Examiner,  
 St. Anthony.

Planting—*Add* L. CROWELL, Assistant.

### PROJECT

#### Idaho—

Study of silvical qualities and growth of yellow pine, Weiser National Forest—  
 E. R. HODSON, Weiser.

‘ (Silvics, E. R. HODSON.)

### LANDS

T. C. HOYT, Assistant District Forester, in Charge.

### PROPERTY AUDIT

H. B. CRAMER, Chief of Records.

### NATIONAL FORESTS

#### IDAHO

Boise—*Add* M. S. BENEDICT, Deputy Forest Supervisor.

Payette—CARL B. ARENTSON transferred to Fishlake National Forest. *Add* FRANK  
 J. RYDER, Deputy Forest Supervisor.

Sawtooth—FRANK J. RYDER transferred to Payette National Forest.

#### NEVADA

Toiyabe—JAS. L. PELTON, Acting Forest Supervisor; M. S. BENEDICT transferred to  
 Boise.

#### UTAH

Fishlake—CARL B. ARENTSON, Acting Forest Supervisor, C. L. SMITH transferred  
 to Manti.

Manti—C. L. SMITH, Forest Supervisor; A. W. JENSEN transferred to District Office  
 as Assistant District Law Officer.

Sevier—*Omit* FRANK W. SEAMAN.

Wasatch—*Add* E. H. CLARKE, Forest Supervisor, R. V. R. REYNOLDS transferred  
 to Operation, Ogden.

#### WYOMING

Wyoming—H. E. WOOLLEY, transferred to Ogden as Land Examiner.

## DISTRICT 5

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

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(L. A. BARRETT, Chief of Claims, transferred to Lands.)

## SILVICULTURE

Timber Sales

PROJECTS

(Examination of timber trespass and of proposed sale areas in the Lassen National Forest.)

Examination of proposed sale areas on the Plumas National Forest—*Omit* J. C. ELLIOTT.

Examination of timber trespass areas in the Shasta National Forest—C. H. ENSIGN, Lumberman, Sisson, Cal.

Supervision of sale operations on the Standard Lumber Company sale, Stanislaus National Forest—J. C. ELLIOTT, Lumberman, Sonora, Cal.

Examination of proposed sale to the Marsh Lumber Company, Plumas National Forest—SWIFT BERRY, Quincy, Cal.

Planting, C. A. KUPFER transferred to Products

PROJECTS

(Examination of proposed planting sites on the Santa Barbara National Forest.)

(Installation of a coniferous nursery on the Shasta National Forest.)

## LANDS

L. A. BARRETT, Assistant District Forester, in Charge.

## PRODUCTS

PROJECTS

## Timber Tests—

(Testing laboratory in cooperation with the University of California, Berkeley, Cal.)

(Tests on redwood in cooperation with the California Redwood Association.)

Design of timber-testing laboratory for District 5—A. L. HEIM.

## Wood Preservation—

Study of conditions on and near the Plumas National Forest, with a view to determine the feasibility of erecting and operating a portable treating plant.—C. STOWELL SMITH, San Francisco, Cal.

Collection of experimental woods for the Madison Laboratory—C. STOWELL SMITH, San Francisco, Cal.

**NATIONAL FORESTS**  
**CALIFORNIA**

**California**—ALLAN H. HODGSON, Forest Supervisor; ERNEST BRITTEN furloughed.

**Inyo**—JOHN D. COFFMAN, transferred to Shasta.

**Shasta**—*Add* JOHN D. COFFMAN, Forest Assistant, and N. O. TORSTENSON, Planting Assistant.

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**DISTRICT 6**

Washington, Oregon, and Alaska.

Office, Beck Building, Portland, Oreg.

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**OPERATION**

(C. J. BUCK, Assistant District Forester, transferred to Lands.)

**SILVICULTURE**

**Timber Sales**

**PROJECT**

**Oregon**—

Reconnaissance of the Oregon National Forest—MAX ROTHKUGEL, Forest Assistant, Portland.

**Washington**—

(Scaling on the Snoqualmie National Forest.)

Scaling on the Olympic National Forest—EDWIN C. ERICKSON, Scaler, Olympia.

Reconnaissance of the Olympic National Forest—MAX ROTHKUGEL, Forest Assistant, Olympia.

**GRAZING**

T. P. MACKENZIE, Assistant District Forester, furloughed.

**LANDS**

C. J. BUCK, Assistant District Forester, in Charge.

## PRODUCTS

## PROJECTS

## Wood Preservation—

(Preliminary report on the economy of the preservative treatment of mine timbers used by the Tacoma Steel Company.)

(Preliminary report on the economy of the preservative treatment of poles and ties used by the Tacoma Railway and Power Company.)

Construction and installation of an open tank treating plant in cooperation with the University of Washington Forest School—H. B. OAKLEAF and O. P. M. Goss, Seattle, Wash.

Inspection of Northern Pacific test track in cooperation with District 1 and engineers of the Northern Pacific Railway Company—H. B. OAKLEAF, Portland, Oreg.

## Wood Utilization—

(Study of the box industry in the Pacific Northwest.)

(Study of the market for and uses of forest products at Spokane, Wash.)

Study of the market for and uses of forest products in the Grays Harbor region of the State of Washington—J. B. KNAPP and J. F. SULLIVAN, Portland, Oreg.

Collection of wood for experimental and exhibit purposes at Madison, Wis.—H. B. OAKLEAF, Portland, Oreg.

Study of the market for and uses of forest products on the Olympic Peninsula in the State of Washington—J. B. KNAPP and JOHN F. SULLIVAN, Portland, Oreg.

## NATIONAL FORESTS

## ALASKA

**Chugach**—*Add* Am. to express offices.

**Tongass**—*Add* Am. to express offices.

## OREGON.

**Fremont**—*Add* N. J. BILLINGS, Grazing Assistant.

**Malheur**—D. B. REYNOLDS, Deputy Forest Supervisor.

**Oregon**—MAX ROTHKUGEL, Forest Assistant, Oregon and Olympic Forests.

## WASHINGTON

**Chelan**—D. B. REYNOLDS transferred to Malheur National Forest.

**Columbia**—*Add* H. O. STABLER, Forest Supervisor. HOMER ROSS, Deputy Forest Supervisor.

**Colville**—C. C. REID, Forest Supervisor.

**Olympic**—*Add* MAX ROTHKUGEL, Forest Assistant.

**Snoqualmie**—*Add* Am. to express offices.

## SERVICE CHANGES IN MAY

### APPOINTED

**Grazing—**

WILLARD WEBSTER EGGLESTON, Assistant Botanist.

**District 1—**

**OPERATION:** Forest Guards—HARRISON M. CRANE and HENRY J. LAMPE, Absaroka National Forest; WALTER J. HYDE, Beartooth National Forest; JAMES A. LA MARCHE, Beaverhead National Forest; HERBERT H. BISSELL, FREDERICK F. CLARK, JOSEPH C. COSLEY, MARION E. HEIKES, and HARRY W. SHELLEY, Blackfeet National Forest; WILLIAM V. HAMBY, ALBERT N. PETERSON, HARVEY H. RENSHAW, HUBERT H. RENSHAW, FRANK E. SHAW, DAVID M. TINNEY, and WILMOT C. TURNER, Clearwater National Forest; HOWARD DRAKE, CHARLES RANEY, and THOMAS E. ROBINSON, Coeur d'Alene National Forest; ROSCOE C. TOOKE, Deerlodge National Forest; WILLIAM E. KIERSTEAD, Jefferson National Forest; FRANK E. PORTER and JOSEPH E. YOUNG, Kaniksu National Forest; JOHN D. BROOKS, JAMES DENNIS, ANDREW HALVERSON, JOHN C. KETRIDGE, ASHLEY J. ROCHE, PERRY R. ROGERS, and RUSSELL V. TANNER, Kootenai National Forest; JAMES E. ADAMS, Lewis and Clark National Forest; SIDNEY C. ARMITAGE and R. A. PHILLIPS, Lolo National Forest; WALTER D. HOFER, GEORGE B. ROWE, and ROBERT L. TOWNSEND, Madison National Forest; HARRY A. GOODALE and CALVIN HAYWARD, Michigan National Forest; VIRGIL W. CHANDLER and PAUL HAWKINS, Minnesota National Forest; GUST KEATING and EDWARD KENT, Missoula National Forest; JOHN WESTON GALBRAITH, JOHN KOKTA, ED. A. LONG, SILAS MCPHERSON, and WILLARD N. MICHAEL, Nezperce National Forest; WILLIAM EDWARD BLUME and CLIFFORD E. MIDDLETON, Pend Oreille National Forest; WALTER L. EISENACH, JOHN E. MULLIGAN, JOHN SCHAEFER, and LEWIS J. WHITE, Superior National Forest. JACOB H. CAMP, Assistant Forest Ranger, Custer National Forest.

**LANDS:** JOHN H. CLARY and FRANK A. FOOTE, Expert Miners.

**DISTRICT OFFICE:** DOROTHEA C. DAVIS, Clerk, Stenographer, and Typewriter.

**District 2—**

**OPERATION:** Assistant Forest Rangers—BENJAMIN I. BEATY and MAITLAND E. BRADLEY, Sopris National Forest; K. G. BROWN, Uncompahgre National Forest; FRED S. CUENIN and ROSENDO ORTIZ, Cochetopa National Forest; DON G. LA FONT and JOHN N. MILLION, Rio Grande National Forest; LEE D. LEEMAN, Sundance National Forest; LEIGH W. MCGREW, ROBERT O. THROCKMORTON, JESSE E. WOLFE, and WALTER T. SCHMEHL, Arapaho National Forest; BERT B. MORTON and JAMES L. WARNER, Bighorn National Forest. JOHN SCHUTTLER, Gunnison National Forest; JASPER F. SPOONER and SILAS H. WRIGHT, Pike National Forest; ALBERT SUTER, White River National Forest.

Forest Guards: GUY TEFFT, San Juan (W) National Forest; CARL BURSTER and ERNEST A. BURSTER, San Juan (E) National Forest; WINFORD F. BATES, RAY CLARKE, and LON H. ULRICH, Medicine Bow National Forest; JOHN P.

KILLOREN, Jr., Black Hills National Forest; EDWARD A. PARKS, EZRA H. O'NEAL, ARCHIE R. SMETHURST, and FRANK E. STAPLETON, Routt National Forest; CARROLL S. BAIRD and ORVIL WILSON, Rio Grande National Forest; RICHARD R. RIGGS, CLIFTON LISTER, and MILTON E. AMES, Hayden National Forest; M. B. PIDCOCK and ENOCH BEECH, White River National Forest; ALEX H. LIDDIARD, Shoshone National Forest; GLEN WILLIAMS, Cochetopa National Forest.

WILMER C. BENNETT, Expert, Arapaho National Forest; CORNEY O. PRESTON, Agent, Kansas National Forest; HENRY REINSCH, Agent, Pike National Forest; ROBERT E. PRATT, Surveyor, Sundance National Forest; HENRY R. HARRISON, Surveyor, Battlement National Forest; EDNA C. HOCKING, Forest Clerk, Montezuma National Forest.

DISTRICT OFFICE: F. RUTH WATERS, Clerk, Stenographer, and Typewriter.

#### District 3—

OPERATION: Assistant Forest Rangers: EDGAR M. TWITTY, WILLIAM W. WILSON, JOHN C. VANDEVIER, MACK O. DUMAS, JESSE I. BUSHNELL, and JOHN A. ADAMS, Coconino National Forest; ROBERT P. A. JOHNSON, HARRY F. WADE, and HARRY E. VOTE, Carson National Forest; HOWARD B. WAHA, LEO E. CARRON, WM. H. CRISWELL, DALLAS F. WELLS, and ALBERT C. WAGNER, Datil National Forest; WM. W. DAY, Choctawhatchee National Forest; ROBERT MUNRO, PERCY REID, and SAMUEL A. FREY, Gila National Forest; FRED A. WEIR, JESSE A. PRUBAKER, WM. J. ANDERSON, JOHN W. BELK, WM. E. CARTER, and VERNE RHOADES, Alamo National Forest; DAVID L. MACBEATH, Coronado National Forest; CLARENCE M. JOHNSON, Zuni National Forest; JOIN V. HOBBIE, JOS. SWAIN, STEPHEN Q. GARST, and JOHN L. BRYAN, Jr., Lincoln National Forest; JAMES W. GIRDNER, Tonto National Forest; CLARENCE H. WILSON, ARTHUR J. WELLS, and JAMES C. BERTHELSON, Jr., Jemez National Forest; GEO. M. NYCE, WM. R. ASHURST, JOS. L. HENDERSON, CYRIL BYRNE, and VIRGIL D. SMITH, Sitgreaves National Forest; ROY H. MILLER, FRANCIS L. KIRBY, and HAROLD GREEN, Crook National Forest.

Forest Guards: JOHN L. WETHERED, Chiricahua National Forest; JESSE JOHNSTUN, Zuni National Forest; LESLIE CHAPPELL, Arkansas National Forest; WM. S. DOUGHERTY, Pecos National Forest; HENRY J. WILKERSON, Carson National Forest.

EMMA CAMPBELL, Forest Clerk, Choctawhatchee National Forest.

DISTRICT OFFICE: FRANK C. KEEFER and HELEN B. SMITH, Draftsmen.

#### District 4—

OPERATION: Assistant Forest Rangers—MARSHALL C. CROMWELL, CHARLES O'KEEFE, and JOHN T. SIDERS, Boise National Forest; WALLWIN T. JOB and JOHN A. WOOD, Challis National Forest; WILLARD S. SORENSEN, Dixie National Forest; WM. SCOTT BARTON, Fillmore National Forest; CHARLES E. BUTLER, MAURICE B. CROSS, OLIVER A. FEE, ALVIN W. GARRISON, BURTON JARVIS, CHARLES H. KEAS, and CARL STOCKBRIDGE, Humboldt National Forest; CYRUS T. McCALL, and WALTER G. MANN, Idaho National Forest; DUNCAN M. LANG, Kaibab National Forest; FRED W. STRONG, La Sal National Forest; ALSTON D. MORSE and FREDERICK L. MOTT, Lemhi National

Forest; FRANK S. MOORE, GLENN STRAWN, and FRANCIS WALLIS, Payette National Forest; FRED H. CHASE and AUGUST A. SCHROEDER, Salmon National Forest; ERNEST A. RENNER and WILLIAM H. THOMPSON, Targhee National Forest; R. A. TEMPEST, Palisade National Forest; CHARLES H. DEVINEY and ALBERT GUNTHER, Teton National Forest; ODO R. THOMAS, Uinta National Forest; D. L. DAVIS, LOUIS R. HILLMON, LEROY LINDSAY, and NICHOLAS S. PHELAN, Weiser National Forest; GEORGE L. HOWLAND, FRANK A. TRAVIS, and GEORGE W. YEAMAN, Wyoming National Forest.

Forest Guards—F. L. BREIDENSTEIN, Boise National Forest; CALVIN T. HARDIN, Idaho National Forest; W. H. THAYER, Payette National Forest; W. DOUGLAS HOOD, Targhee National Forest; JOHN FEE and RICHARD H. OHL, Teton National Forest; WILLIAM E. GIBBS and ARBA A. MCKENZIE, Weiser National Forest.

#### District 5—

OPERATION: Forest Guards—F. M. HARDIN, Lassen National Forest; HERSCHEL H. SIMPSON, Shasta National Forest; WILLIAM HAYES, Plumas National Forest; JAMES H. McDONALD, Sequoia National Forest; LEONARD C. BEAN, Trinity National Forest; WILLIAM S. CAVANAUGH, California National Forest; ARTHUR B. ALLEN, Sequoia National Forest; MARK H. MIDDLETON, California National Forest; J. RAY STEPHENS, Stanislaus National Forest; LEWIS D. LADD, Mono National Forest; OBERT O. BUNDY, California National Forest; F. J. FREEMAN, Mono National Forest; WALTER BONNER, Mono National Forest; PHILIP C. BAUER, California National Forest; CHARLES W. BATES, California National Forest; GRANT N. COOPER, California National Forest; EDMUND M. HUFFORD, Lassen National Forest; ELISHA C. FINNEY, California National Forest; WILLIAM C. DUNCAN, Trinity National Forest; JOSEPH H. MANNY, Sequoia National Forest; BENJAMIN SCHUSTER, Klamath National Forest; GEORGE SILVEY, Sequoia National Forest; JULIUS BRANNAN, Trinity National Forest; CLARENCE WYATT, Mono National Forest; HOWARD M. WILSON, Tahoe National Forest; HOWARD HUFFORD, Lassen National Forest. CHARLES L. GILMORE, Timber Cruiser, Mono National Forest. FRED. W. BROSE, Clerk, Lassen National Forest.

#### District 6—

OPERATION: Forest Guards—J. G. BEHRENS, FRANK BIART, JOHN M. BOGGS, OLLIE M. BRAMEL, J. G. BURGHARDT, CLAYTON DIVER, CHARLES F. HUDSON, EVAN JONES, FRANK KRIESCHE, Jr., WILLIAM J. MARTIN, GEORGE E. RENN, H. R. STEELE, and WILLIAM C. SWEAT, Chelan National Forest; JACK BROWN and GEORGE L. JOHNSON, Chugach and Tongass National Forests; CHARLES FREUDENBURG, WILLIAM F. JEBE, HARVEY J. LICKEL, JOHN M. PRATT, and ERASmus E. ROBERTSON, Columbia National Forest; ROY BRITTAin and CHARLES ROESCHIEISEN, Colville National Forest; C. W. REED and C. E. THANBRUE, Fremont National Forest; C. E. TUREMAN, Malheur National Forest; JAMES O. F. ANDERSON, EARL G. FORBES, and V. M. MCKIBBEN, Olympic National Forest; HERMAN AMOS, HENRY ASCHOFF, HORACE BERRY, W. B. DAVIDSON, FRANK DOTY, JOSEPH F. DOUGLAS,

CARL C. HILL, and EDWARD SISCHO, Oregon National Forest; M. DONALD KNAPP, Snoqualmie National Forest; WILLIAM R. GARDINER, R. J. HATFIELD, HOMER J. IRELAND, E. H. LOUGH, U. F. McLAUGHLIN, and FLOYD S. MATTHEWS, Umpqua National Forest; THOMAS F. LATHROP, IVAN STEVENS, and A. B. TURNER, Wallowa National Forest; CARL E. BELL, GROVER C. BURCH, CHARLES LARKEY, JAMES A. MONAHAN, and HENRY SOLL, Washington National Forest; ANDREW J. GRADEN, ALBERT JEFFREYS, JOHN H. RUSSELL, EARLE W. STANINGER, and ELMER G. THOMAS, Wenaha National Forest; EDMOND B. CANBY, SQUIRE J. SANTMYER, JASON P. WILLIAMS, Wenatchee National Forest; WALTER ALLISON, I. E. JONES, FRANK W. MATTSON, CHARLES E. POOLE, and EDWIN J. YOUNG, Whitman National Forest.

BENJAMIN B. PAGE, Forest Guard (Hunter), Deschutes National Forest; FREDERICK HACKLER, Forest Guard (Hunter), Oregon National Forest; JOHN W. LYNCH, Forest Guard (Hunter), Wenaha National Forest; REGINALD A. BRADLEY, Assistant Forest Ranger, Fremont National Forest; DEXTER B. REYNOLDS, Deputy Forest Supervisor, Malheur National Forest.

LANDS—ANTOINE M. CAISSE, Forest Clerk; GEORGE F. MEAD, Law Examiner.

#### RESTORED TO THE ROLLS

##### District 1—

OPERATION: JOHN E. THOMPSON, Assistant Forest Ranger, Flathead National Forest.

##### District 2—

OPERATION: ASA W. STUCKEY, Assistant Forest Ranger, Nebraska National Forest.

DISTRICT OFFICE: GERTRUDE A. BUNGER, Clerk, Stenographer, and Typewriter.

##### District 3—

OPERATION: WM. C. RODERUS and GEO. R. YORKE, Assistant Forest Rangers, Prescott National Forest.

##### District 4—

OPERATION: AMOS N. DAVIS, Assistant Forest Ranger, Teton National Forest.

##### District 5—

OPERATION: ARTHUR R. MEYER, Deputy Forest Ranger, Angeles National Forest; STEPHEN J. RHYNE, Assistant Forest Ranger, Santa Barbara National Forest; WILLIAM F. BLACKBURN, Assistant Forest Ranger, Santa Barbara National Forest; HARRY H. PEREGOY, Forest Ranger, Inyo National Forest; JOHN E. THACKARA, Assistant Forest Ranger, Shasta National Forest; WILLIAM C. F. NESPLITAL, Engineer, Inyo National Forest; ELSIE C. SHOUP, Clerk, Trinity National Forest.

SILVICULTURE: RUFUS S. MADDOX, Forest Assistant, Plumas National Forest.

##### District 6—

OPERATION: Assistant Forest Rangers—HUBERT E. DERRICK and DOUGLAS C. INGRAM, Deschutes National Forest; MARION C. BURLINGAME, ORANGE S. CALLISON, RAYMOND N. GRIBBLE, JOHN B. SENECAL, and HIRAM R. WILCOX, Oregon National Forest; WALTER J. JONES and WILLIAM B. MILBURY, Siskiyou National Forest; OSCAR C. Houser and CLARENCE J. INGRAM, Umpqua National Forest. GEORGENE L. MILLER, Forest Clerk, District Office.

## CHANGE IN DESIGNATION

## Silviculture—

SILVICS: EARL H. FROTHINGHAM, from Chief, Section of Compilation, to Forest Assistant.

## District 3—

DANIEL W. ADAMS, from Lumberman to Forest Supervisor.

## District 4—

TIMOTHY C. HOYT, Forest Supervisor to Assistant District Forest, Ogden, Utah.

EDWIN H. CLARKE, Assistant Forester, to Forest Supervisor, Wasatch National Forest.

ROBERT V. R. REYNOLDS, Forest Supervisor, to Forest Examiner, Ogden, Utah.

## TRANSFERRED

## Grazing—

EDWARD L. GREENE, Expert, from Bureau of Plant Industry.

## Products—

ORRINGTON T. SWAN, Forest Assistant, from District 5.

## District 2—

OFFICE OF SOLICITOR: GEORGE E. TROWBRIDGE, Assistant District Law Officer, District 5, to District Law Officer, District 2.

SILVICULTURE: A. K. CHITTENDEN, Assistant District Forester, to Washington Office; CLAUDE R. TILLOTSON, Forest Assistant, from Washington Office to District Office.

## District 4—

OPERATION: EDWIN H. CLARKE, from District Office to Wasatch National Forest, Salt Lake City, Utah; ROBERT V. R. REYNOLDS, from Wasatch National Forest to District Office; CARL B. ARENTSON, from Payette National Forest to Fishlake National Forest; NELLIE NEAL, Clerk, Stenographer, and Typewriter, from District Office to District 6; ELIZABETH M. COOK, from District 6 to District Office.

SILVICULTURE: FRANK J. RYDER, from Forest Assistant, Sawtooth National Forest to Deputy Forest Supervisor, Payette National Forest.

## District 5—

ELSIE C. SHOUP, Clerk, District 2 to Trinity National Forest. FRED W. BROSE, from Reclamation Service to Lassen National Forest.

SILVICULTURE: C. A. KUPFER, Forest Assistant, District Office, to Products, District Office.

## District 6—

OPERATION: CHAS. S. CONGLETON, Forest Ranger from Deschutes National Forest to Fremont National Forest; ALBERT ROBISON, Forest Guard, from Whitman National Forest to Malheur National Forest.

VIRGINIA M. BAIN, Clerk, District 5 to District 6.

GEORGE HILTON, Draftsman, District 6 to District 7.

LOUISE A. HELMICK, Clerk, Stenographer, and Typewriter, District 6 to Bureau of Statistics.

DORA REESE, Clerk, Stenographer and Typewriter, Operation to Products.

**REINSTATED****District 4—**

OPERATION: ROBERT PACK, Assistant Forest Ranger, Uinta National Forest.

**PROMOTED****District 4—**

FRANK J. RYDER, Forest Assistant, Sawtooth National Forest, to Deputy Forest Supervisor, Payette National Forest.

**District 6—**

LAW: DANIEL F. MCGOWAN, Clerk, to Assistant District Law Officer. WM. F. STALEY, Assistant District Law Officer, to District Law Officer.

**FURLOUGHED****Silviculture—**

A. K. CHITTENDEN, Forest Examiner.

STATE AND PRIVATE COOPERATION: A. W. WILLIAMSON, Forest Assistant.

**District 2—**

OPERATION: EDWIN D. HEPBURN, Forest Ranger; GEORGE W. LYITTLE, Assistant Forest Ranger, Black Hills National Forest; WILLIAM H. HAZZARD, Forest Ranger, Leadville National Forest; THOS. H. WELSH, Assistant Forest Ranger, Medicine Bow National Forest; WILMER C. BENNETT, Expert, and MILTON S. KING, Assistant Forest Ranger, Arapaho National Forest; MARK EDICK, Assistant Forest Ranger, Hayden National Forest; JOHN E. ELLIOTT, Lumberman, Routt National Forest.

**District 3—**

OPERATION: ELLERY F. LAWRENCE, Assistant Forest Ranger, Carson National Forest; WILLIAM H. PIERCE, Assistant Forest Ranger, Coconino National Forest.

**District 6—**

OPERATION: JESSE DEWITT, Assistant Forest Ranger, Siskiyou National Forest; CLARENCE R. DAVIS, Assistant Forest Ranger, Umpqua National Forest; BEULAH E. WESTLAKE, Clerk.

SILVICULTURE: NELLIE SHEARS, Clerk.

GRAZING: THOS. P. MACKENZIE, Assistant District Forester.

**RESIGNED****District 1—**

OPERATION: GROVER C. BRYAN, Assistant Forest Ranger, Absaroka National Forest; FRANK MAZRALL, Assistant Forest Ranger, Blackfeet National Forest; ROSCOE O. LEWIS, Assistant Forest Ranger, and HOWARD C. BUSHNELL, Deputy Forest Ranger, Jefferson National Forest; GEORGE E. HUMISTON, Assistant Forest Ranger, Madison National Forest.

**District 2—**

OPERATION: ANDREW J. KENNADAY, Assistant Forest Ranger, Cheyenne National Forest; JOHN T. CRIMMINS, Assistant Forest Ranger, White River National Forest; CURT H. JOHNSON, Assistant Forest Ranger, Cochetopa National

Forest; THOMAS H. WELSH, Assistant Forest Ranger, Medicine Bow National Forest; JOSEPH F. CONLON, Assistant Forest Ranger, Black Hills National Forest; ABEL Z. HURTT, Assistant Forest Ranger, Bighorn National Forest; ARTHUR C. ROBERTS, Assistant Forest Ranger, Bonneville National Forest.

PRODUCTS: DOMINICK L. CARMODY, Engineer, Wood Preservation.

**District 3—**

OPERATION: FRANK C. SCOVILLE, Assistant Forest Ranger, Garces National Forest.

**District 4—**

OPERATION: E. M. CHRISTENSEN, Assistant Forest Ranger, Salmon National Forest; FRED RUTLEDGE, Deputy Forest Ranger, Weiser National Forest; WALLACE S. AVERILL, Assistant Forest Ranger, Wyoming National Forest; BETTIE EZELL, Forest Clerk, Lemhi National Forest.

**District 5—**

OPERATION: ROBERT H. HIETT, Deputy Forest Ranger, Angeles National Forest; ROBERT MALCOLM SCOTT, Forest Guard, Plumas National Forest; HENRY F. VAN WINKLE, Deputy Forest Ranger, Santa Barbara National Forest; CHAS. A. COPREN, Assistant Forest Ranger, Tahoe National Forest.

### **SEPARATED**

**District 1—**

OPERATION: FRANK T. BROKER, Forest Guard, Minnesota National Forest.

**District 2—**

SILVICULTURE: LEWIS C. CHAPMAN, Assistant, Fremont Experiment Station.

**District 6—**

OPERATION: JOS. A. GASLIN, Assistant Forest Ranger, Siskiyou National Forest; FRANK KRIESCHE, Jr., Forest Guard, Chelan National Forest; HERBERT HULTEN, Forest Guard, Olympic National Forest; LOUISE A. HELMICK, Clerk, Stenographer, and Typewriter, District Office.

### **APPOINTMENT TERMINATED**

**District 2—**

OPERATION: ARTHUR L. STANLEY, Assistant Forest Ranger, Routt National Forest.

DISTRICT OFFICE: STELLA B. HOOPER, Clerk, Stenographer, and Typewriter.

**District 3—**

OPERATION: R. W. NOURSE, Forest Guard, Jemez National Forest; BERT J. COLTER, Assistant Forest Ranger, Apache National Forest; GEO. A. COBLEY, Forest Guard, Prescott National Forest; J. M. McMAHAN, Forest Guard (Trapper), Datil National Forest; W. J. BROWN, Forest Guard (Hunter and Trapper), Apache National Forest; CLYDE DOUGLAS, Forest Guard, Prescott National Forest; MARION A. GREGORY, Forest Guard, Manzano National Forest; ABBEY WARE CRABB, Forest Clerk, Coconino National Forest; WILLIAM DEADDER, Forest Guard, Coconino National Forest; GEORGE A. VILES, Forest Guard, Pecos National Forest.

**District 4—**

OPERATION: WILLIAM T. COOPER and WILLIAM COPELAND, Forest Guards, Idaho National Forest.

DISTRICT OFFICE: FRANK C. DOUGLAS, Clerk, by transfer to Reclamation Service.

**District 5—**

OPERATION: GEO. KRAUPH and WALTER BONNER, Forest Guards, Mono National Forest.

DISTRICT OFFICE: EDW. A. CHICK, Draftsman; JOHN S. SWAN, District Fiscal Agent; THEODORE R. COOPER, Forest Assistant.

**REVOCATION OF APPOINTMENT****District 4—**

OPERATION: WILLIAM E. GIBBS, Forest Guard, Weiser National Forest.

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With deep regret announcement is made of the death by drowning, on May 8, of WILLIAM R. DODDS, Assistant Forest Ranger, on the Sevier National Forest, Panguitch, Utah.

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# SERVICE NOTES FOR JUNE

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

## OFFICE OF THE FORESTER

### ACCOUNTS

#### **Freight Bills of Lading—**

Supervisors and others issuing bills of lading must use only the numbered forms supplied by the Property Clerk. The consecutive numbers given are for identification purposes and are also a check against duplicate payment. A skeleton record is kept in the Office of Accounts at Washington showing bill of lading number and date of settlement only. The use of the same number twice, or of any number other than the consecutive numbers given by the Property Clerk, causes confusion and makes the proper record and verification of these bills more difficult.

#### **Refund Vouchers—**

Refund vouchers should, in all cases, show the date or dates on which payment was received on account of the sale or permit and also sufficient additional data to enable the district fiscal agent to identify the refund with the original transaction.

#### **Discount on Purchases—**

Merchants and manufacturers in many cases allow a discount of from 2 to 10 per cent when bills are paid within ten days. Members of the Service should bear this in mind and, when practicable, should certify and forward accounts for payment a sufficient time before the expiration of the ten-day limit to secure any discount allowed.

## OPERATION

#### **National Forest Eliminations and Additions—**

During the month of May the President signed 18 proclamations changing the areas of National Forests. The proclamations of May 6 eliminated a total of 177,246 acres as follows: In District 1, 6,608 acres from the Coeur d'Alene (Idaho), 8,584 acres from the Kaniksu (Washington), and 1,600 acres from the Pend Oreille (Idaho); in District 2, 16,562 acres from the Battlement (Colorado) and 6,766 acres from the White River (Colorado); in District 4, 33,172 acres from the Caribou (Idaho) and 722 acres from the Caribou (Wyoming), 72,152 acres from the Minidoka (Idaho), and 25,170 acres from the Minidoka (Utah); in District 6, 5,910 acres from the Rainier (Washington).

The proclamations of May 9 eliminated a total of 271,822 acres. In District 3, 228,156 acres were eliminated from the Gila (New Mexico), the elimination to be effective March 1, 1911. By the same proclamation 21,331 acres were added to the Gila Forest effective May 9; in District 6, 43,666 acres were eliminated from the Colville (Washington).

The proclamations of May 16 eliminated a total of 90,674 acres. In District 3, 68,384 acres were eliminated from the Lincoln (New Mexico), and 29,738 acres were added; in District 4, 22,326 acres were eliminated from the Pocatello (Idaho).

The proclamations of May 20 eliminated a total of 71,133 acres in District 6, of which 69,518 acres were released from the Umatilla Forest, and 1,615 acres from the Deschutes.

The proclamations of May 21 eliminated a total of 11,241 acres in District 6, of which 4,485 acres were from the Malheur and 6,756 acres from the Whitman.

#### **Economy in Subsistence Expenses—**

Attention is called to Service Order 29, of May 6, 1909, which emphasizes the need of economy in all kinds of expenditure, with particular reference to travel and subsistence. It is not expected that Forest officers shall patronize cheap and unsatisfactory places; but, while no arbitrary limit of cost can be set for single meals, extravagance in this or any other item of expense will count against the record of the man who practices it.

#### **Weight of Packages Mailed—**

The attention of the Forester has been called to disregard, by Forest officers, of the postal regulations prohibiting the mailing of packages weighing more than 4 pounds. The Post Office Department reports that large articles, such as tents, have recently been mailed by Forest officers. Repeated instructions have been issued against this practice, and summary action will be taken in case these instructions are disobeyed.

#### **Use of Manila Envelope—**

In order to cut down the amount of money expended for envelopes, officers assigned to Forests should use the ordinary manila envelope,  $3\frac{1}{2}$  inches by  $8\frac{1}{2}$  inches, when corresponding with the supervisor or other officers on the Forest, since this style of envelope can be furnished at less than one-half the cost of the white envelope and is much less liable to be soiled. These envelopes should be stamped "Forest Supervisor," and with name of the town and State at which his headquarters are located before being sent out. Forest Officers, if they prefer, may use the No. 6 white envelope whenever it is necessary to correspond with anyone outside of the Service. Supervisors should see that this order is followed strictly.

## **SILVICULTURE**

#### **Quarterly Technical Reports—**

Although the classified list of reports on National Forest work dated March 4 does not require any quarterly technical reports from Forest assistants, such reports were submitted from several Forests for the quarter ending March 31. The attention of supervisors and Forest assistants is called to the fact that these reports have been discontinued.

**Timber Sales Inspected—**

The attention of supervisors is again called to the fact that each monthly report of timber cut and sold should be accompanied with a list of the sales inspected during the month by the supervisor and deputy supervisor. If no sales have been inspected, a notation of this fact should be made on the margin of Form 949.

**GRAZING****Amendment to Revised Trespass Procedure—**

On page 360, May Field Program, 1910, in the seventeenth line, after the second word, "will," insert:

"submit all papers in the case to the District Law Officer for examination as to the sufficiency of the evidence to sustain a suit. If the District Law Officer is of the opinion that additional evidence is required, the District Forester will take the necessary action to procure it. When the case is complete the District Forester will make"

In the same line strike out "add."

**Grazing Trespass Settled—**

The grazing trespass of A. R. Gumaer on the Pike National Forest has been settled by the trespasser's paying \$400, the sum to which the grazing fees would have amounted for the time the cattle were in trespass.

**LANDS****Agricultural Occupancy Permits—**

Hereafter the issuance of permits for the occupancy and use of agricultural lands within the National Forests will be allowed only under the following conditions:

1. When the applicant merely wishes to secure the use of the land for agricultural purposes and without any intention of acquiring title thereto.
2. When the applicant wishes to occupy land which has been examined and favorably reported upon, pending its listing and entry under the Act of June 11, 1906.
3. When the applicant is doubtful of the land's agricultural possibilities and asks an opportunity to ascertain whether crops can be raised on it before using his homestead right.
4. When the applicant desires to occupy unsurveyed land within the primary limits of a railroad land grant or unsurveyed school land which he has agreed to purchase when the land is surveyed.

**Act of June 11, 1906, Classification of Lands—**

Hereafter when application is made for the listing of land under the Act of June 11, 1906, the character of the land will be determined immediately after its examination. If it is found to be better suited for cultivation and agricultural use than for forest purposes and may be occupied for agricultural purposes without injury to the National Forest and is not needed for public purposes, it will be recommended for listing and the applicant will be permitted to exercise his own discretion as to the kind and character of cultivation to which the land is adapted, and also whether

crops can be raised without irrigation, or whether he can successfully maintain his home upon the area.

**Form 832a Abolished—**

The special-use form, 832a, for use in case of telephones on National Forests, is abolished. Supervisors may use the stock of these forms now in their possession, but no more will be printed. Care should be taken to see that the administrative use provisions of Form 832a are inserted in the regular special-use form.

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**SERVICE PUBLICATIONS ISSUED IN MAY**

Cir. 56. Bur Oak (Revised).

Silvical Leaflet 24. Bristle-Cone Fir (Revised).

Unnumbered circular, Information Regarding Employment on the National Forests. (Fourth Revision.)

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